

AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS

Northeast Section **NEWSLETTER** **HOLIDAYS 2024**

As published on 12/23/2024

NE-AIPG FALL MEETING RECAP!
Dinosaur State Park, Rocky Hill, CT
OCTOBER 11, 2024 [Page 17](#)

NYSCPG's Geology Days
2024 Report [Page 18](#)
Saratoga Springs, NY
November 11-13, 2024

Field Trips
Sponsored by
NE-AIPG!

Give a Little or a Lot to
the Profession That Has
Given You So Much!
DO SOMETHING,
RIGHT NOW ONLINE
by going to the
Scholarship Fund on
[Pages 80-81](#)



ATMGS Scholarship
UPDATE
[Page 20](#)

HOW MANY
CONTINENTS?
[Page 40](#)

<https://ne-aipg.org>

EXCELLENCE ON EVERY LEVEL™

CASCADe provides a full range of environmental and geotechnical drilling, site investigation and characterization, and environmental remediation technologies. Our vision is to integrate technology, safety, sustainability and human potential to tackle the challenging environmental and geotechnical issues facing our clients.

YOUR PARTNER FROM CONCEPT TO CLEAN UP

DRILLING

environmental, geotechnical, utility
clearance, IDW, sonic, auger, rotary, direct
push

SITE CHARACTERIZATION

high resolution site characterization,
sampling, data visualization, MHPT, UVOST,
CORE™™™, WATERLOO™™™, OIP™™

REMEDIATION

in situ, ex situ, collaborative design,
thermal, chemical, biological,
emplacement

CONTACT

ADT

Environmental &
Geotechnical Drilling
Bill Poupis
516-616-6026 EXT 105
wpoupis@aquiferdrilling.com

CASCADe

Strategic Account Manager
Jay Boland
M: 413-329-7525
jboland@cascade-env.com

VISIT US TODAY AT WWW.CASCADe-ENV.COM TO LEARN MORE

With Cascade offices across the United States, subsidiaries and international partners, we deliver reliable services **nationwide.**

DRILEX

ENVIRONMENTAL



Drilex Environmental is one of New England's premier drilling companies

Drilex Environmental was established in 1995 and is one of New England's fastest growing, premier, full service Drilling and Environmental Construction companies. We are a quality drilling company, able to meet the ever changing needs of our clients.

www.drilexenv.com



Hartwell Business Park • 127 Hartwell Street • West Boylston, MA
508-835-6724 • Fax: 508-835-6734

AIPG NORTHEAST SECTION NEWSLETTER HOLIDAYS 2024 EDITION No. 178

**PUBLISHED BY THE NORTHEAST SECTION OF THE AMERICAN
INSTITUTE OF PROFESSIONAL GEOLOGISTS**

TABLE OF CONTENTS:

2024 NE-AIPG Executive Committee Directory	<u>5</u>
2025 Executive Committee Meeting Schedule	<u>7</u>
2024 Index of Advertisers	<u>8-9</u>
Presidential Ramblings	<u>11</u>
HMPGA 30th Anniversary Thank You	<u>16</u>
Northeast AIPG Fall Meeting Recap	<u>17</u>
NYSCPG Geology Days Conference	<u>18</u>
Angelo Tagliacozzo Scholarship 2023-2024	<u>20</u>
The Slayback Award	<u>25</u>
NYSCPG News	<u>26</u>
Call to Action for the Geologic Community	<u>31</u>
AIPG's Mentoring Program	<u>35</u>
AIPG's Career Center	<u>35</u>
How Many Continents Are There? You May Not Like the Answers.	<u>40</u>
NE-AIPG ExCom Meeting Minutes	<u>50</u>
AIPG Mission	<u>65</u>
Piggybacking: Service Expanded for NE/AIPG Advertisers!	<u>66</u>
NE-AIPG 2025 Publication Schedule	<u>72</u>
ATMG Scholarship List of Contributors	<u>78-79</u>
ATMG Scholarship Overview	<u>80</u>
Angelo Tagliacozzo Scholarship Perpetual Trust Fund Contribution Form Please Contribute Now!	<u>81</u>

NEWSLETTER EDITOR

Kim Burger
Roux Environmental Engineering
and Geology, D.P.C.
209 Shafter Street
Islandia, NY 11749
631-780-2956 (Cell)
kburger@rouxinc.com



PUBLISHER & ADVERTISING MANAGER

Dick Young
Consulting Geologists, LLC
179 Intervale Road
Parsippany, NJ 07054
973-335-2289 (Office)
973-335-9799 (Fax)
ryoungnj@aol.com

The Newsletter of the Northeast Section of the American Institute of Professional Geologists is digitally published four times annually at https://ne-aipg.org/Newsletter_copy and www.issuu.com/neaipg/docs. Design and layout by Kim Burger and Dick Young. Section Members and Advertisers are alerted to each issue by email. Many thanks are extended to all who helped in compiling this issue.

2024 NE-AIPG EXECUTIVE COMMITTEE AND SUBCOMMITTEES

PRESIDENT

Kelly A. Weyer, CPG-11826
Clean Globe Environmental LLC
PO BOX 1895, New City, NY 10956
Work: 1-888-454-5923, Ext. 700
E-mail: kweyer@cg-env.com

PRESIDENT ELECT/VICE PRESIDENT

OPEN POSITION

PAST PRESIDENT

Jennifer Rhee, MEM-2805
HDR Inc.
1 International Blvd, Floor 10
Mahwah, NJ 07495
Work: (201) 335-9336
Cell: (845) 664-5218
E-mail: jennifer.rhee@hdrinc.com

SECRETARY

Mitchell T Ward
FPM Remediations Inc.
181 Kenwood Ave
Oneida, NY 13421
Work: 315-336-7721 ext. 230
E-mail: m.ward@fpm-remediations.com

TREASURER

Scott M. Hulseapple, CPG-11363
Alpha Geoscience
679 Plank Rd.
Clifton Park, New York 12065
Work: (518) 348-6995
E-mail: shulseapple@alphageoscience.com

MEMBERS-AT-LARGE 2023-2024

Trevor M. Gowan, MEM-1995
Alpha Geoscience
679 Plank Road
Clifton Park, New York 12065
Work: (518) 348-6995
Fax: (518) 348-6955
E-mail: tgowan@alphageoscience.com

Michael G. Grifasi, CPG-11489
Ramboll
333 West Washington Street
Syracuse, NY 13202
Work: (315) 967-0484
E-mail: Michael.grifasi@ramboll.com

Scott Tucker
Ramboll
333 West Washington Street
Syracuse, New York 13202
Work: (315) 956-6345
Cell: (315) 391-0756
E-mail: scott.tucker@ramboll.com

MEMBERS-AT-LARGE 2024-2025

Laurie Scheuing, CPG-09898
46 Homestead Rd
Saratoga Springs, NY 12866-5808
Work: (518) 695-9445
E-mail: lescheuing@aol.com

Adam Kaiser, ECP-1106
Ramboll
333 West Washington Street
Syracuse, New York 13202
Cell: (718) 551-5627
E-mail: Adam.brian.kaiser@gmail.com

Stacy Stieber, CPG-11696
WSP USA
6 research Drive, Suite 260
Shelton, CT 06484
Work: (475) 882-1723
E-mail: Stacy.Stieber@wsp.com

SCREENING BOARD CHAIRMAN

Charles A. Rich, CPG-04433
CA Rich Consultants, Inc.
17 Dupont Street
Plainville, NY 11803-1602
Work: (516) 576-8844 Fax: (516) 576-0093
E-mail: crich@carichinc.com

NEWSLETTER EDITOR

Kim Burger
Roux Environmental Engineering and Geology, D.P.C.
209 Shafter Street
Islandia, New York 11749
E-mail: kburger@rouxinc.com

DIRECTORY OF MEMBERS EDITOR

Curtis A. Kraemer, CPG-06019
111 Van Cedarfield Road
Colchester, CT 06415
Work: 860-861-4644
E-mail: curtkraemer@comcast.net

PUBLISHER & ADVERTISING MANAGER

Richard H. Young, CPG-03356
Consulting Geologists, LLC
179 Intervale Road
Parsippany, NJ 07054
Work: (973) 335-2289
Fax: (973) 335-9799
E-mail: ryoungnj@aol.com

WEBMASTER

Kelly Weyer
Clean Globe Environmental LLC
PO BOX 1895, New City, NY 10956
Work: 1-888-454-5923, Ext. 700
E-mail: kweyer@cg-env.com



(Executive Committee continued on page



Delta Well & Pump Co., Inc.

WATER AND ENVIRONMENTAL DRILLING

97 Union Avenue PO Box 1309 Ronkonkoma, N.Y. 11779

Phone: (631) 981-2255

Fax: (631) 981-2369

Delta serves municipal and industrial customers

Providing a full range of drilling capabilities



(Executive Committee continued from page 5)

**2024 NEAIPG EXECUTIVE COMMITTEE
AND SUBCOMMITTEES**
(As updated 2/6/2024)

Advertising Sales: Dick Young

Advisory Board Delegate: Kelly Weyer

Financial Planning and Treasury: Scott Hulseapple, Bob Blauvelt,
Dick Young

Legislative Liaison and Registration: Tom West (NY),
Sam Gowan (NY), Tim Stone (ME), Dorothy Richter (NH),
Laurie Scheuing (NY)

Membership: OPEN POSITION

Mentoring: Dennis McGrath (Chairperson), Chris Brown

Nominating: Kelly Weyer, Bob Blauvelt, Jennifer Rhee

Public Affairs: Dennis McGrath (Chairperson)

Scholarship: Kelly Weyer (Chairperson), Sam Gowan, Michael Grifasi,
Al Moffit, Jennifer Rhee, Tom West

Section Directory: Curt Kraemer, Editor; Dick Young, Publisher

Section Meetings: Kelly Weyer, Bob Blauvelt, Michael Grifasi

Section Newsletter: Kim Burger, Editor; Dick Young, Publisher

Screening Board: Charles Rich (Chairperson); William Prehoda,
James Moore, Kelly Weyer

2025 EXECUTIVE COMMITTEE MEETING SCHEDULE:

January 6th

March 3rd

April 16th — Spring Meeting with HMPGA Student Expo

May 5th

July 7th

September 9th

October - Fall Meeting TBD

December 1st

**ExCom Meetings are
typically held from
4:00 to 6:00 pm via
teleconference.**

2024 INDEX OF ADVERTISERS

ENVIRONMENTAL CONSULTANTS

AECOM	<u>23</u>
Alpha Geoscience	<u>24</u>
Arcadis	<u>42</u>
C.A. Rich Consultants, Inc	<u>33</u>
CHA	<u>37</u>
CSG Environmental Consultants	<u>51</u>
EAI, Inc	<u>14</u>
EWMA	<u>13</u>
FPM-Remediations	<u>43</u>
Gannett Fleming	<u>37</u>
GEI Consultants, Inc	<u>36</u>
GEOSPHERE Environmental Management, Inc.	<u>29</u>
Hager GeoScience, Inc	<u>47</u>
Hager-Richter Geoscience, Inc	<u>39</u>
Haley & Aldrich	<u>38</u>
Lincoln Applied Geology, Inc	<u>38</u>
MC Environmental, LLC	<u>13</u>
McLane Environmental, LLC	<u>29</u>
PVE	<u>39</u>
Regenesys	<u>23</u>
Richter Geology PLLC	<u>38</u>
RPI Group	<u>53</u>
Roux Associates, Inc	<u>11</u>
Tectonic Engineering	<u>47</u>
Terracon	<u>28</u>
TRC Environmental Corporation	<u>36</u>

DRILLING

AARCO Environmental Services Corp	<u>64</u>
Allegheny Instruments, Inc	<u>56</u>
Boyd Artesian Well Co., Inc	<u>63</u>
Cascade Drilling	<u>Inside Front Cover</u>
Connecticut Test Borings, LLC	<u>56</u>
Directional Technologies, Inc	<u>67</u>
Drilex Environmental, Inc	<u>3</u>

(Index of Advertisers continued on page 9)

2024 INDEX OF ADVERTISERS (Cont.)

DRILLING (Cont.)

Eastern Analytical, Inc.....	<u>55</u>
General Borings, Inc.....	<u>49</u>
Geophysical Applications, Inc.....	<u>65</u>
Maine Test Borings.....	<u>68</u>
MB Drilling, LLC.....	<u>59</u>
New England Boring Contractors of CT, Inc.....	<u>65</u>
Pennsylvania Drilling Company.....	<u>66</u>
Probe Support Services.....	<u>10</u>
Soil Mechanics Drilling Corporation.....	<u>58</u>
Soil Testing, Inc.....	<u>63</u>
Stephen B. Church, Co.....	<u>66</u>
Summit Drilling Co., Inc.....	<u>57</u>
Zebra Environmental.....	<u>62</u>

ENVIRONMENTAL FIELD SERVICES

Alpha Analytical.....	<u>48</u>
Atlantic Screen & Mfg., Inc.....	<u>74</u>
Badger Injection Solutions.....	<u>75</u>
Complete Environmental Testing, Inc.....	<u>74</u>
ConeTec, Inc.....	<u>51</u>
Delta Well & Pump Co., Inc.....	<u>6</u>
EnviRent Corporation.....	<u>77</u>
Enviroscan.....	<u>71</u>
Envirosite Corporation.....	<u>76</u>
GEOD Corporation.....	<u>70</u>
Island Pump and Tank.....	<u>77</u>
Layne Christensen Company.....	<u>43</u>
Samuel Stothoff Company, Inc.....	<u>74</u>
SJB Services, Inc.....	<u>76</u>
X-ray Utility Locating Service.....	<u>73</u>
York Analytical Laboratories, Inc.....	<u>24</u>

www.geoproberentals.com

Rentals & Repairs

Ready
for
Spring?



Geoprobe® RIGS FOR RENT
7822DTs • 54LT tracks
420M Portables
*plus Tooling
and Trailers*



888.215.4666

info@rentaprobe.com

PROBE
SUPPORT SERVICES
www.geoproberentals.com

RENTAL • REPAIR • SERVICE • MAINTENANCE



Presidential Ramblings HOLIDAYS 2024



By NE-AIPG President Kelly Weyer, CPG-11826

Greetings Northeast Section and Friends of the Section!

We are close to the end of another successful year. The Northeast Section is back to hosting annual spring and fall in-person events and continues to award the annual Angelo Tagliacozzo Memorial Geological Scholarship (ATMGS). NE-AIPG seems to have the momentum and interest for the continuation and growth of the Section, for developing more opportunities for member involvement, for providing added value to the membership, and for supporting the professionals and students engaged in the profession of Geology.

In case you missed it, here's a brief recap on the year, and a quick look at the near future plans. The Spring Meeting and Student Exposition,

(Ramblings continued on page 12)

ROUX

- Brownfield Redevelopment
- Phase I & Phase II ESAs
- Constructed Treatment Wetlands
- Wetland Delineations and T&E Evaluation/Permitting
- Petroleum Remediation
- Stormwater/Wastewater Management
- Remediation Designs
- Litigation Support

For more info: 1.800.322.7689 or www.rouxinc.com

California • Illinois • Massachusetts • New Jersey • New York • Texas • Virginia

(Ramblings continued from page 11)

co-hosted with the Hudson-Mohawk Professional Geological Association (HMPGA) in Latham, NY, on April 17th, was the first in-person event in 2024. The event included a field trip to Holcim-Ravena Cement Plant and Quarry, a student poster session, professional networking and socializing, dinner, and a technical talk on Paleoclimate Archive of Glacial Lake Iroquois Sediments. The Student Exposition is an annual event started by HMPGA, to provide a networking opportunity for geology students nearing graduation and preparing to start their geological careers. Since part of NE-AIPG's efforts are to promote the profession and to support and engage students and professionals, we anticipate that our participation in this annual event will continue, and that the event will become more successful over the years.

Geology Field Days was the second spring 2024 event and was a day of field demonstrations co-hosted with the Central New York Association of Professional Geologists (CNYAPG) in Syracuse, NY, on April 26th. Professionals and students attended this event, which provided another opportunity for professional networking and to expose students to activities performed by professional geologists. Based on the success and interest, we anticipate this will be a re-occurring event, taking place at a regular frequency.

NE-AIPG hosted the annual Fall Meeting at Dinosaur State Park in Rocky Hill, CT, on October 11th. We enjoyed a tour of the facility, with great discussions on the trackway and the geology of the region, had time to network and socialize over dinner, then gathered in the exhibit center's auditorium for a technical talk on seismic experiments in CT. You can read about the event on [pages 17](#), [21-22](#), and [30](#).

The Angelo Tagliacozzo Memorial Geological Scholarship (ATMGS) 2024-2025 application opened online in early September 2024 and closed on December 2, 2024. The ATMGS Review Committee will evaluate the application packages, and Awards are determined in the Spring of 2025. Information about the ATMGS is posted on NE-AIPG's website (<https://ne-aipg.org/>). Awards are funded by the ATMGS Perpetual Trust Fund, which relies on generous donations to build the fund. Over the next few months, we will determine our funds available for the annual Scholarship Awards, so if you have not donated to the ATMGS trust fund this year, we encourage you to do so, to help support our future Professional Geologists.

NE-AIPG was a sponsor of the field trips at the New York State Council of Professional Geologists' (NYSCPG) 3rd Annual Geology Days

(Ramblings continued on page 15)



www.mc-environmental.net

MC ENVIRONMENTAL, LLC

Environmental Services & Consulting

Hydrogeology Water Resources Compliance

26 Railroad Avenue, No.182 Babylon, NY 11702-2204

631 321 4500

Fax 631 321 0190



An Environmental Consulting
& Remediation Firm

Timely Response. Time-Proven Solutions.

- Guaranteed Fixed-Price Remediation
- Environmental Due Diligence
- Regulatory Compliance
- Litigation Experts and Environmental Forensics
- Indoor Air Quality

Call the experts at EWMA to assist with
your environmental questions.

(800) 969-3159
www.ewma.com

Parsippany, NJ
Hamilton, NJ
New York, NY





EAI INC

ENVIRONMENTAL MANAGEMENT SERVICES
SPECIALTY CONTRACTING

YOUR **EXPERT** IN VAPOR INTRUSION.

STELLAR WORKMANSHIP.

A specialty services contractor for over 30 years, the EAI team delivers stellar installations and support for the most complex mitigation of vapors and water intrusion. Contact us to discuss your project.

- CETCO Liquid Boot & GeoVent
- Sub-Slab Depressurization
- Gas Monitoring Systems
- Design/Build Services
- Waterproofing
- Air Barriers
- Specialty Contracting

Jersey City, NJ, Fernandina Beach, FL
& Charlotte, NC

201-395-0010

www.eaienviro.com



(Ramblings continued from page 12)

Conference, in Saratoga Springs, NY, on November 11-13, 2024 (see [pages 18-19](#)). This event was well attended, and the field trips were full. We look forward to the continued growth and success of the conference.

The Executive Committee is already making plans for 2025. We plan to hold the Spring and Fall in-person meetings, and we are considering a webinar series and various outreach opportunities throughout the year. The Spring Meeting and Student Exposition is in the works for late April in the Albany area with HMPGA. We're planning for a field trip, a student poster session, career-oriented networking and professional socializing, dinner, and a technical talk. This event will pursue PDH approvals, as appropriate. Watch for updates from NE-AIPG and HMPGA!

We are open to suggestions for the Fall Meeting, and anything in between. Likewise, we are open to suggestions for another Spring or Summer Event in another region of the Northeast Section, which could be for learning, socializing, or fundraising. The Fall Meeting is typically held during the first or second week of October. Since the 2025 National AIPG Conference in St. Louis, MO, is on October 4-7, the Executive Committee and Fall Meeting planning committee will discuss options for a date that might bring the best attendance for the Northeast Section's Fall Meeting without impacting those who want to travel to the National AIPG Conference.

We'd like to have involvement and attendance from all states in the Northeast Section, whether it's for a Spring or Fall Meeting, a webinar, a campus visit to a geology department, or another activity. We represent the Northeast from NJ to ME, and I know that we have members involved or interested in our many geologic sites. If you have ideas or suggestions for field trips or talks in 2025 or beyond, we are happy to hear from you, whether you can volunteer to lead a trip or talk, or just have an interest in a location or topic that you'd like us to consider. You can email us at info@ne-aipg.org with suggestions or questions at any time.

Warm Holiday Greetings to
Each of You and Yours,

Kelly Weyer
NE-AIPG President



(End)



The Hudson-Mohawk Professional Geologists Association celebrated its 30th Anniversary on October 16, 2024, at Wolf Hollow Brewing Company! Prof. Mathew Manon of Union College led a walking field trip on the Wolf Hollow Trail, then HMPGA members and their guests celebrated with cake and drinks at the brewery! HMPGA would like to extend thanks to all members for their dedication and participation in the organization. For 30 years, HMPGA has been engaging with the industry, bringing together professionals for technical presentations, networking, and social events. To all of our members, thank you, and happy 30th Anniversary!

-HMPGA Board of Directors

(End)

**October 11, 2024: Northeast AIPG
Hosted the Fall Meeting at
Dinosaur State Park in Rocky Hill, CT**



This year's NE AIPG fall meeting was held at the Dinosaur State Park in Rocky Hill, CT. The meeting included a guided tour of the Dinosaur State Park Museum and Trackway, a networking and socializing dinner with colleagues and fellow geologists, and a technical talk given by Dr. Maureen Long from the Yale University's Department of Earth and Planetary Sciences.

A little history of the park: The tracks were originally discovered in 1966 while digging the foundation for a state laboratory at the site. Over the next several weeks and months of site investigation, over 2,600 dinosaur tracks were discovered and Dinosaur State Park officially opened in 1968. Approximately 500 tracks are currently protected and on display in the geodesic dome at the park. The remaining tracks were reburied to protect them from the elements, with future plans of enclosing that additional area as well and uncovering them for future study and enjoyment.

(Fall Meeting continued on page 21)

NYSCPG Geology Days Conference

By John M. Nadeau, PG NYSPG Executive Director

The New York State Council of Professional Geologists (NYSCPG) is grateful for the 350 people who attended the third annual Geology Days Conference from November 11-13, 2024, in Saratoga Springs, New York. It was great to have returning attendees, along with many new ones, join us for our largest event to date. The conference allowed professional geologists, engineers, and sponsors to interact and network, while providing continuing education credit to New York State Design Professionals.



The conference has been approved for Connecticut Licensed Environmental Professional (LEP) continuing education credits, and interested attendees can contact support@nyscpg.com for more information.

Attendees took part in the Membership meeting on Monday which provided an update of NYSCPG's activities in 2024 and the direction for the future. The meeting was followed by the ice-breaker event that evening that allowed everyone to catch up with colleagues. Tuesday and Wednesday offered the options of thirty presentations to earn professional development hours (PDH). The keynote dinner on Tuesday was presented by Andrew Kozlowski, Ph.D., P.G. of the NYS Geologic Survey (*in picture below*) and was co-sponsored by the Hudson Mohawk Professional Geologists.



Conference participants were able to get out of the hotel and enjoy the fresh November air while earning PDHs on two field trips. The NYSCPG appreciates the support of the Northeast Section of the American Institute of Professional Geologists for sponsoring both of

(Geology Days continued on page 19)

(Geology Days continued from page 18)

these excursions. Tuesday's trip was led by Mark Williams, P.G. of C.T. Male and Derek Ersbak, P.G. of P.W. Grosser, who led over 50 people focusing on the *Stratigraphy, Structure, and the Mineral Waters of Saratoga Springs*. The trip gave the participants an opportunity to sample the waters of each of the springs around Saratoga for over four hours. Wednesday's trip to the Albany Pine Bush was led by Neil Gifford and David Franzi, Ph.D., P.G. was also attended by over 50 people. The group learned various geologic aspects of the Pine Bush dunes and walked throughout the preserve to take in the sites and learn about preservation efforts.

Two ethics presentations provided information regarding the regulated practice of geology and business practices. The panel discussion on Tuesday was led by Eric Greppo, P.E., the Executive Secretary of the State Board for Engineering, Land Surveying & Geology, and provided the perspective of NYSED



Rules and Regulations, established design professional ethical guidance, and generally recognized concepts of the Standard of Care. NYSCPG's Executive Director John Nadeau, P.G. and Lobbyist Campbell Wallace, Esq. of Pastel Rosen & Wallace LLP offered insight on how to apply the topics covered in the panel discussion into everyday practice.

The NYSCPG Board appreciates the volunteers who helped coordinate and run the event. The volunteers included students from Syracuse University and SUNY Oneonta who helped with checking in attendees during each presentation. We would also like to take the opportunity to thank our sponsors again who keep the event costs low for attendees. We had over twenty exhibitors displaying their companies during the week, and it was good to see participants interacting with these people during the breaks. Finally, thank you to all the attendees for making the trip to Saratoga to take part in the event.

NYSCPG is already planning the fourth annual event! We welcome those who attended to participate in [this brief survey](#) to provide feedback that will be utilized for planning Geology Days 2025. Look for an announcement in the coming weeks for the 2025 date and venue.

(Geology Days continued on page 60)



Angelo Tagliacozzo Memorial Geological Scholarship 2024-2025

**By Kelly Weyer, CPG-11826
Scholarship Chairperson**

The 39th Annual Angelo Tagliacozzo Memorial Geological Scholarship (ATMGS) Update

The 2025 ATMGS Board of Trustees (comprised of the NE-AIPG officers) in conjunction with the ATMGS review committee, has the continued honor and responsibility of awarding the annual Angelo Tagliacozzo Memorial Geological Scholarships to selected junior and senior geology majors, since the first ATMGS recipients were selected for the 1987-1988 academic year awards.

The 2024-2025 online application opened in September 2024 and closed on December 2, 2024. The link to the online application and information about the scholarship was accessed through NE-AIPG's website <https://ne-aipg.org>. Announcements were sent to department chairs of colleges and universities with geology programs, past faculty sponsors, and others who requested to be added to the distribution list.

Once the online application closed, the application packages were reviewed for completeness. Student applicants were contacted with an update on their application status, and they will be notified throughout the review process, as appropriate.

Submitted application packages are distributed to the ATMGS Review Committee in mid-December for evaluation, and award suggestions are typically presented and voted on during the 2025 March ExCom Meeting.

This is an annual scholarship, so if you are or know a Geology student who will be a junior or senior next year, the next online application is expected to open in September 2025.

Have you donated to the ATMGS fund this year? If not, we encourage you to do so, to ensure we can continue providing substantial awards to future Geologists, and to support the continued success of the profession. You can donate using the form on [Page 81](#), or online through the NE-AIPG website.

For more information on the ATMGS, please visit the NE-AIPG's website <https://ne-aipg.org/> and see [Pages 80-81](#) in this newsletter. Please contact us with any ATMGS related questions, at neaipg.atscholarship2@gmail.com.

Thank you to everyone who has supported the ATMGS program (through dollars or time) over the years, and an extra thank you to those who contribute every year!

(End)

(Fall Meeting continued from page 17)

The NE AIPG fall meeting started off with a tour of the facility lead by the Park's Education Director Michael Ross. Michael gave a great presentation regarding the geologic history of the Connecticut River Valley and the geologic reasons why the tracks are so well preserved in the sandstone bedrock in this area. As a treat, meeting attendees were also taken down onto the trackway to get an up-close look at the tracks and the surrounding rock matrix. Michael pointed out specific features in the rock, specifically ripple marks in the some of the sandstone beds, that help us to interpret and envision the conditions at the time the tracks were made.



Following the guided tour of the museum, New Haven-style pizza (we were in Connecticut after all) and drinks were served by the Big Green Food Truck in the park's picnic pavilion. I personally enjoyed seeing friends and colleagues from years past, and meeting many new people and fellow geologists as well.

Following our dinner, Dr. Maureen Long from Yale University provided a very interesting and informative talk regarding her SEISConn work in Connecticut. Dr. Long and her team have deployed an array of 15 broadband seismometers in a dense linear array across northern Connecticut. Using recordings of seismic waves from distant earthquakes, they are imaging the crust and upper mantle beneath southern New England. Images of the deep

(Fall Meeting continued on page 22)

(Fall Meeting continued from page 21)

structure can address fundamental questions about how supercontinents are formed and break up, as well as how plate tectonic processes such as subduction, rifting, and terrane accretion affect the evolution of the crust and uppermost mantle.



Furthermore, these images can help to refine models for how the various phases of Appalachian orogenesis and the rifting associated with the breakup of Pangea have shaped the bedrock geology of Connecticut.

The NE-AIPG Fall meeting was a great event, and the efforts that the NE-AIPG ExCom members and the Dinosaur State

Park employees, as well as our presenters, were very much appreciated. We had 30 attendees this year, and I hope to see even more people at our next event!



Above Left: The Dinosaur Trackway

Direct Left: Close up of the Dinosaur Track

(Fall Meeting continued on page 30)

AECOM

**Imagine it.
Delivered.**

As a fully integrated firm, AECOM connects knowledge and experience across our network of experts to help solve our client's most complex challenges. From high-performance buildings and transit systems, to resilient communities and environments, our work is transformative, differentiated and vital.

aecom.com

Concerned about Site Remediation Budgets, Timelines and Technology Performance?

REGENESIS
www.REGENESIS.com

We can help.

- Scalable site remediation solutions for almost any budget
- Proven remediation technologies on over 20,000 sites worldwide
- Expertise and experience to meet timeline expectations
- Combined remedy approaches to maximize performance and cost savings

**www.regenesis.com
(949) 366-8000**

 **REGENESIS**



Professional Geologic and Hydrogeologic Consulting

679 Plank Road, Clifton Park, NY 12065

Phone: (518) 348-6995

www.alphageoscience.com

Independent Laboratory Data Validation

Emergent Contaminants

- PFOS, PFOA, and other PFAS
- 1,4-dioxane

Quality Assurance/Quality Control

- Validation of soil, water, and air data
- Preparation of EDDs, SOPs, and QAPPs

Contact: **Scott Hulseapple, PG, CPG**
shulseapple@alphageoscience.com

Mining Services

Hydrogeologic Investigation

- Impacts to surface and ground water
- Potential impacts from mine inflows
- Mitigation of mine inflows

Mineral Resources

- Resource and Reserve Analyses
- Aggregates, Sand, and Gravel
- Industrial Minerals, Metals and Salt
- Permitting

Contact: **Steven Trader, PG, CPG**
strader@alphageoscience.com



The Environmental
Laboratory of Choice

Your Greatest Resource is our Customer Service

- ▶ Largest PFAS-only lab facility
- ▶ Fast turnaround times + rush service
- ▶ Expert staff and technical resources
- ▶ Dedicated York Force courier team

Comprehensive air, water and soil analyses with unmatched PFAS expertise.

Local Laboratories and Client Service Facilities

New York
Queens, Islandia, Nyack

Connecticut
Stratford, Newtown

New Jersey
Prospect Park, Toms River



Scan to visit
yorklab.com

(800) 306-YORK
(203) 325-1371
clientservices@yorklab.com
www.yorklab.com

For Drinking Water Testing:
You Need to Know
What's in Your H2O
YorkLabWaterTest.com

The Slayback Award

Anyone may provide written, descriptive nominations of candidates (and of their contributions to NE/AIPG) for the Slayback Award, by *CONFIDENTIALLY submitting the nomination in writing to any one of the previous recipients* (Dick Young, Dennis McGrath, Dan St. Germain, Tom West, Curt Kraemer, Bob Blauvelt, and Jeff Frederick).

The concept of the Russell G. Slayback Award is to provide: "Honor and Recognition of Exemplary Service, Above and Beyond, To the Northeast Section of AIPG." Thus, the Slayback Award is intended to be presented on those rare occasions when truly landmark, exemplary service has been given to the Northeast Section of AIPG for a protracted period of time by an AIPG Certified Professional Geologist who is a Member of the Northeast Section. "On those rare occasions" is the operative phrase, as the Slayback Award was never intended to be "presented annually."

Selection of Awardees is made by the previous recipients, in confidential discussions with the NE/AIPG Section President. Individual Members of the ExCom may be consulted for their input on a confidential basis. Confidentiality, to maintain the element of surprise in honoring the Recipient(s) and his/her/their long service, is a cornerstone concept of the Slayback Award.

Additionally, given that Russ was committed to helping/mentoring young Geologists and was a long-time, devoted proponent of the Northeast Section's Angelo Tagliacozzo Memorial Geological Scholarship Trust Fund, Donations In Memory and Honor of Russ Slayback may be made to the NE/AIPG Geological Scholarship Perpetual Trust Fund and should be written to: Angelo Tagliacozzo Memorial Geological Scholarship Trust Fund, and mailed to: NE/AIPG Geological Scholarship Trust Fund, c/o Scott Hulseapple, 679 Plank Rd, Clifton Park, NY 12065

Alternatively, you can make your Contribution, RIGHT NOW, ONLINE, by going to <https://ne-aipg.org/> and clicking "Donation To Scholarship Fund" (under **Quick Links** on the home page). All Contributions to the Scholarship Trust Fund are invested, perpetually, with earnings thereon used solely for the Scholarship. NE/AIPG bears all costs of administration. Please ask your employer about matching your tax-free contribution and about additional corporate contributions.

For further information, contact Kelly Weyer: neaipg.atscholarship2@gmail.com

(End)

NYSCPG NEWS

By John Nadeau (CPG-1181), Executive Director

I hope that all the NE-AIPG members had an enjoyable Thanksgiving. I would like to take the opportunity to thank the leadership of NE-AIPG and their members for the continued support of the NYSCPG. I wish you all the best the holiday season has to offer and a Happy New Year.

Thank you to all of you who attended Geology Days 2024. It was great to see so many friends in one place catching up during the conference. NE-AIPG once again sponsored the two field trips, and we had over 50 participants on each. I would also like to thank the volunteers who made the event run smoothly, the speakers for the effort in preparing their presentations, and of course the sponsors who allowed us to keep the costs low for attendees. As part of the conference, there were two ethics presentations providing guidance on how to practice, both as an individual and as a business. NYSCPG is planning on continuing to work the NY Education Department on future webinars and in-person events to provide information for you as professionals.

As we enter the latter part of the year, NYSCPG is looking towards the future. The Legislative Committee, including our lobbyist Campbell Wallace, will soon begin planning for the 2025 Legislative session. NYSCPG will be looking to meet with state agencies, and Legislative staff to discuss potential bills we will be introducing. We will keep the members of the profession informed as policies are fine-tuned and if we plan to host a lobby day.

The New York State Department of Environmental Conservation (DEC) released the latest revisions to the 6 NYCRR Part 375 with respect to the Brownfield Clean Program. The current version continues to include the Qualified Environmental Professional term that NYSCPG interprets as counter to the Education Law defining the Professional Geologist

(NYSCPG News continued on page 27)

(NYSCPG News continued from page 26)

and Professional Engineer.

NYSCPG will be submitting a comment letter addressing our concerns and will ask our members to do the same. Information regarding the amendments, a virtual public hearing, and the comments submission information can be found at <https://dec.ny.gov/regulatory/regulations/proposed-emergency-recently-adopted-regulations/environmental-remediation-revisions>.

NYSCPG is also looking at hosting Geology Rocks again in 2025. We are looking at May 8th as the potential date at the Coliseum in White Plains, NY. The event will feature a cover band playing music from the 80s and 90s. More information will be available on the NYSCPG website and LinkedIn by the end of this year.

As always, please reach out to me with any questions or comments via email at jnadeau@nyscpge.com or by phone at 518-579-6580.

Regards,



John M. Nadeau, PG
NYSCPG Executive Director



(End)



Reliable.

Convenient Responsive Innovative

Your business objectives are our top priority. We deliver information on time so you avoid delays, surprises and costly mistakes down the road. For projects large and small, single- or multi-site, you can rely on consistent results nationwide.



Manchester, NH [603] 647 9700
Offices Nationwide terracon.com

Terracon

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

GEOSPHERE

ENVIRONMENTAL MANAGEMENT INC.

NEW HAMPSHIRE

MASSACHUSETTS

(603)-773-0075

(888)-838-6571

WWW.GEOSPHERENH.COM

GROUNDWATER SUPPLY

SITE ASSESSMENTS

LSP SERVICES

GEOTHERMAL

WETLANDS

PROFESSIONAL CONSULTANTS PROVIDING
GROUNDWATER & ENVIRONMENTAL SOLUTIONS

McLANE ENVIRONMENTAL, LLC

Range of Services

Ground Water Modeling

Contaminant Fate
and Transport

Aquifer Characterization

Remediation Design
and Optimization

Exposure and
Risk Assessment

Water Resources
and Supply

Natural Resource
Damages

Coastal Zone
Modeling

Wastewater
Disposal Analyses

GIS and
Data Visualization

Litigation Support



Providing ground water consulting services to clients nationwide, including:

- industrial corporations,
- law firms,
- municipalities,
- DOD, DOE, and others.

Specializing in ground water modeling, chemical fate and transport, well field optimization, and litigation support services.

Visit our web site at
www.McLaneEnv.com

E-mail: info@McLaneEnv.com

707 Alexander Road, Suite 206
Princeton, NJ 08540

Ph. 609.987.1400 Fax 609.987.8488

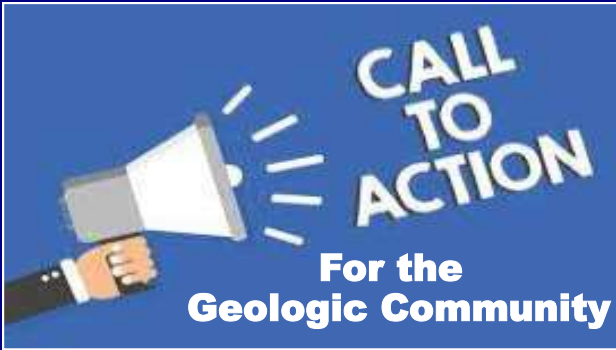
(Fall Meeting continued from page 22)



**Top: Park Tour
Middle: The Lecture Group
Bottom: Dinner in the Park**



(End)



The New York State Museum and the New York State Geological Survey (NYSGS) have been neglected to the detriment of the State's citizens, and the State's geological community. The time for action is upon us – there is legislation (<https://assembly.ny.gov/leg/?bn=A08851&term=2023>) that if enacted would support the Museum's mission, and by extension that of the Geological Survey. By contacting your Senator and Assembly Member (<https://www.nysenate.gov/find-my-senator> and <https://nyassembly.gov/mem/search/>), you can call for its passage. Below is the full story of how we got here, and our path forward...

There have been multiple articles written in the New York Times and the Albany Times Union over the last several months regarding the state of the Museum. I bring this to your attention in case you do not know that the NYSGS is an agency of the Museum. The last New York Times article regarding the decline of the Museum was published on October 19th (<https://www.nytimes.com/2024/10/19/nyregion/state-museum-ny-albany.html>) and specifically references claims made regarding the NYSGS. The article discusses ongoing state and federal investigations to evaluate whether the Museum received excessive federal funding from the United State Geological Survey (USGS). The article also mentions allegations that Museum administrative staff engaged in a timecard scheme to bilk federal funds. An investigation by the State Education Department's Bureau of Labor Relations found the allegations were unsubstantiated.

While NYSCPG is not aware of any specific allegations, we are aware of the historical success of the NYSGS and particularly the geological mapping program that has had a long-standing and productive partnership with the USGS. Despite decades of

Call to Action continued on page 32)

(Call to Action continued from page 31)

declining staff and attrition of museum scientists trained in geology, the NYSGS appears to have been having a resurgence over the last several years. Numerous presentations have been made to various professional geological organizations, along with other public presentations, on the ongoing geologic research that shows an active and productive group of researchers that are producing high-quality scientific information despite funding issues within the Museum.

Increased federal funding in recent years has resulted in an increased number of published maps which NYSCPG has previously highlighted on our website and in articles. Many of the geologists in New York, professionals and academics alike, use the maps and data prepared by the NYSGS. Not only do these maps serve as important educational products, but these geologic publications serve society to help protect water resources, find aggregates to build and repair infrastructure and help identify locations of critical minerals needed to provide vital materials to support the state and national economy. The subsurface scientific coring and exploration drilling that has resulted from the cooperative federal-state partnership is having a profound impact to improve understanding of past climate, aquifers, and geothermal potential and will likely provide vital information for predicting future climate change.

The NYSCPG's mission includes the strengthening and advancement of the geological sciences as a profession; promoting the protection of public health, the public welfare, and the environment; and promoting high standards of ethical conduct within the profession. NYSCPG views the federal resources awarded to the Museum to produce maps and collect high quality geologic data as a solid investment that is benefiting both the state and its citizens. The maps produced by the NYSGS help promote geology to the public and can be used to promote the protection of the public and the environment. We also believe that the NYSGS staff operate with an appropriate standard of care and high ethical standards and any investigation will show that allegations made against NYSGS staff to be unfounded and that they will be allowed to continue their critical work moving forward.

Where does that leave us, the professional geologists of New York, and what can we do to ensure that additional geological

(Call to Action continued on page 33)

(Call to Action continued from page 32)

data continues to be collected and managed by qualified, competent geoscientists? Professional geologists have been aware of the financial struggles and lack of staffing of the Survey and Museum since the State Geologist role was vacated in 2010. Almost every state in the union has a Chief Scientist and State Geologist, except New York. New York is the 4th most populous State and has a diverse landscape and highly variable geologic settings constructed from ancient tectonic events that occurred more than a billion years ago to glacial deposits as recent as 13,000 years old. The roles of the State Geologist are to manage the NYSGS; provide unbiased scientific information to state agencies; prepare and manage federal grants; oversee staff that conducts field work, curate the current mineral collections, and maintain the subsurface core collection; maintain the Empire State Organized Geologic Information System (ESOGIS); provide educational opportunities for the public; and serves as a technical resource to the State in response from catastrophic flooding, landslides, droughts and other emergency-related events.

(Call to Action continued on page 34)



carich
ENVIRONMENTAL SPECIALISTS

Your Full-Service Environmental Expert Since 1982

- **Due Diligence**
- **Geology Services**
- **Emerging Contaminants**
- **Groundwater Resources**
- **Air Quality / Soil Vapor**
- **Construction Oversight**
- **Brownfield Redevelopment**
- **Remediation**
- **Peer Review**
- **Regulatory Liaison**
- **Litigation Support**
- **Valuations / Tax Cert.**
- **Expedited Deal Flow**
- **Strategic Thinking**

17 Dupont Street, Plainview, NY 11803 ■ Tel. 516.576.8844
Fax. 516.576.0093 ■ www.carichinc.com

(Call to Action continued from page 33)

As professional geologists we must request that a State as large and geologically complex as New York should maintain this key position within the Museum, which was founded by the original scientific efforts of the NYSGS in 1836. The Chief Scientist-State Geologist position typically directs and oversees the NYSGS technical staff, and the time to re-establish this key vacant role has come.

How do we accomplish this? It is election season, and candidates are canvassing neighborhoods and hosting town meetings. I call upon the geologic community to become as vocal as we did to ensure licensure passage a decade ago. The bill referenced at the beginning of this article (A08851) proposed to increase the county clerk fees from \$15 to \$25 with the revenue going to fund the Museum. Reach out to your elected officials and ask them to support that measure and in turn specifically fund the NYSGS and re-establish the State Geologist role. If you are unsure who your representatives are, please check out <https://www.nysenate.gov/find-my-senator> and <https://nyassembly.gov/mem/search/>.

There is an adage that the “squeaky wheel gets the grease,” and it is time for our profession to make some noise. Please contact me with any questions via email at jnadeau@nyscp.org or by phone at 518-579-6580.



John M. Nadeau, PG
NYSPG Executive Director

(End)



AIPG's Mentoring Program

Do you know AIPG has a Mentoring Program for AIPG Members at all levels of their careers?

Are you looking for advice as you start your career, or consider a career change, or retirement?

Are you enjoying a successful career and are able to provide advice or support to others as a Mentor?

AIPG's Mentoring Program is designed to encourage discussions between AIPG members.

You can participate in the program as a Mentor, a Mentee, or both!

For more details, visit

<https://aipg.org/page/MentoringProgram!>

AIPG's Career Center

Did you know AIPG has a Career Center?

Services include a job board for posting and searching for jobs, resume reviews, and more!

For more information, check their website at:

[https://aipg-jobs.careerwebsite.com/.](https://aipg-jobs.careerwebsite.com/)



TRC ENVIRONMENTAL CORP

41 Spring Street, Suite 102
New Providence, NJ 07974
908-988-1700 Fax 908-464-3712

- Ground Water Investigation and Remediation
- Soil Investigation and Remediation
- Ground Water Supply Development
- Underground Storage Tank Investigation
- ISRA Compliance
- Environmental Site Inspection and Audits
- Brownfields Investigation and Permits
- Litigation Support and Expert Testimony

Employment opportunities available for Geologists and Engineers at all levels

Visit:

TRCCompanies.com
To View All Current Job Opportunities

45 YEARS
OF
ENVIRONMENTAL
SOLUTIONS IN
NEW JERSEY

GEI provides geotechnical, environmental, water resources and ecological consulting and engineering services. We provide these services from planning and design through construction and operations. Our clients include government agencies, institutions, industries, developers, utilities and professional service firms.

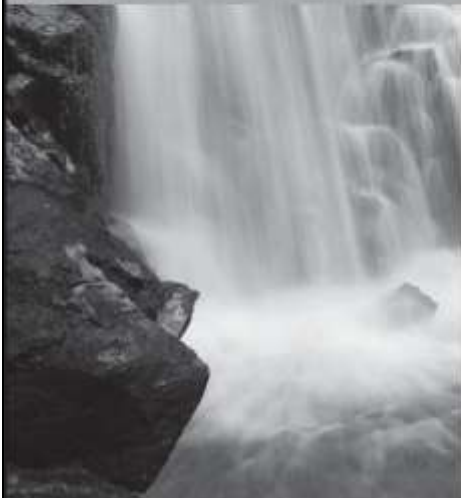


For more information contact Bob Blauvelt at 973.873.7127 www.geiconsultants.com

GEI Consultants, Inc.
300 Broadacres Drive, Suite 100
Bloomfield, NJ 07003



DEFINING INNOVATION WITH SUSTAINABLE SOLUTIONS



Site Investigation and Remediation
Geotechnical/Earth Sciences
Sustainability
Brownfields Characterization and Redevelopment
Dams and Hydraulics
Environmental Infrastructure
Architecture
Civil
Transportation
Water/Wastewater
Structural
GIS/Information Technology
Construction Management/Design-Build



www.gannettfleming.com

James M. Barish, CPG, LSRP ■ Phone: (609) 584-9592 ■ Cell: (609) 385-5822
jbarish@gfnet.com ■ More than 55 offices worldwide
Suite 203, 3575 Quakerbridge Road, Hamilton, NJ 08619

ISO 9001:2015
CERTIFIED



*Providing Full Service Engineering, Planning and
Construction Expertise to Our Clients for Over 50 Years*

Imagine

What We Can Do for You!

CHA
www.chacompanies.com
800.836.0817

**HALEY &
ALDRICH**

**Building communities.
Improving our infrastructure.**

Creating new possibilities with clients.

- Property development and brownfields reuse
- Remedial investigations, design and construction
- Environmental, health and safety management
- Energy facility and linear utilities development
- Underground construction risk management
- Sustainable design enhancement

25 Offices Nationwide • T. 617.886.7400 • HaleyAldrich.com



Steve Revell, CPG
President
Senior Hydrogeologist
Email: srevell@lagvt.com

163 Revell Drive
Lincoln, VT 05443
(802) 453-4384
FAX (802) 453-5399

RICHTER GEOLOGY PLLC

Dorothy Richter, P.G.
(NH, NY, PA, NC, KY, IL, MN)
President

603 231-7845
dorothy.richter@outlook.com
richtergeology.com

OVER TWO DECADES OF EXPERIENCE

GETTING IT DONE.

ENVIRONMENTAL SERVICES
CIVIL + LAND DEVELOPMENT
BUILDINGS + STRUCTURES

PVE-LLC.COM
(845) 454-2544
INFO@PVE-LLC.COM

PVE

HAGER-RICHTER

Geophysics for the Engineering Community

*National Reputation | Nationwide Practice
Take a Closer Look. You'll Like What You See.*

www.hager-richter.com

Main Office

8 Industrial Way—D10
Salem, New Hampshire 03079
T: 603-893-9944

NY / NJ Office

846 Main Street
Fords, New Jersey 08863
T: 732-661-0555

dba HR Geological Services in New York

How Many Continents Are There? You May Not Like the Answers.

Recent earth science developments suggest that how we count our planet's largest land masses is less clear than we learned in school.

By Matt Kaplan NYTIMES Oct. 30, 2024

The world is split up into continents, there are seven in all.

And if you get the gist, we're going to make a list,

From biggest to small ...

Your kids may have come home from school singing this infectious ditty, or another like it. But are there really seven continents?

Anyone with a map can see that Asia and Europe are connected. They are often called Eurasia for that reason. The divide is pretty arbitrary, more culturally than scientifically defined. So, is it fair to say that there are actually only six continents?

That is just the first slippery step on a well-oiled slope. What about North America and Asia?

They are connected by the Bering Sea Shelf, once dry land crossed by humans and flooded only in the geologically recent past. Technically speaking, that makes Asia, North America and Europe all one continent. Does that mean there are only five?

Other experts contend that five, six and seven are wrong and argue in favor of eight continents. There are even those who go as far as to say there are only two.

Hiding within the simplicity of the song, there is an illusion of general agreement about the number of continents.

The dispute arises in part because there are really two types of continents: Those recognized by cultures around the world, and those recognized by geologists. Cultures can define a continent any way they want, while geologists have to use a definition. And geological research in recent years has made defining continental boundaries less simple than it might have once seemed as researchers find evidence of unexpected continental material.

“This triggers a lot of interest because there are significant implications for our understanding of the mechanisms of continent separation, ocean formation and plate tectonics,” said Valentin Rime, a geologist at the

(Continents continued on page 41)

(Continents continued from page 40)

University of Fribourg in Switzerland. He added, “But after the excitement comes rigorous checking and debate to make sure the evidence is solid.”

Geologically speaking, to be a continent, a bit of the planet needs to have four things:

A high elevation relative to the ocean floor.

A wide range of igneous, metamorphic and sedimentary rocks rich in silica.

A crust thicker than the surrounding oceanic crust.

Well-defined limits around a large enough area.

The first three requirements are found in just about every geology textbook. But not so with the fourth. What is “large enough,” or how “well-defined” the limits of a potential continent need to be, are matters that are less often discussed, unless a geologist is studying bits of the planet that are on the cusp of being continental.

“Anything big enough to change the map of the world is important,” said Nick Mortimer, a geologist with the New Zealand government-owned GNS Science research institute. “Labeling and identifying part of the Earth as a continent, even a small, thin and submerged one, is more informative than just leaving a map blank.”

This creates problems for numbering continents.

Consider Iceland, which sits atop a rift that stretches around Earth, the Atlantic branch of the mid-oceanic ridge. Volcanic activity there slowly separates the tectonic plates on which North America and Europe rest. Most of the ridge lies deep beneath the ocean. But in Iceland, it sits above sea level.

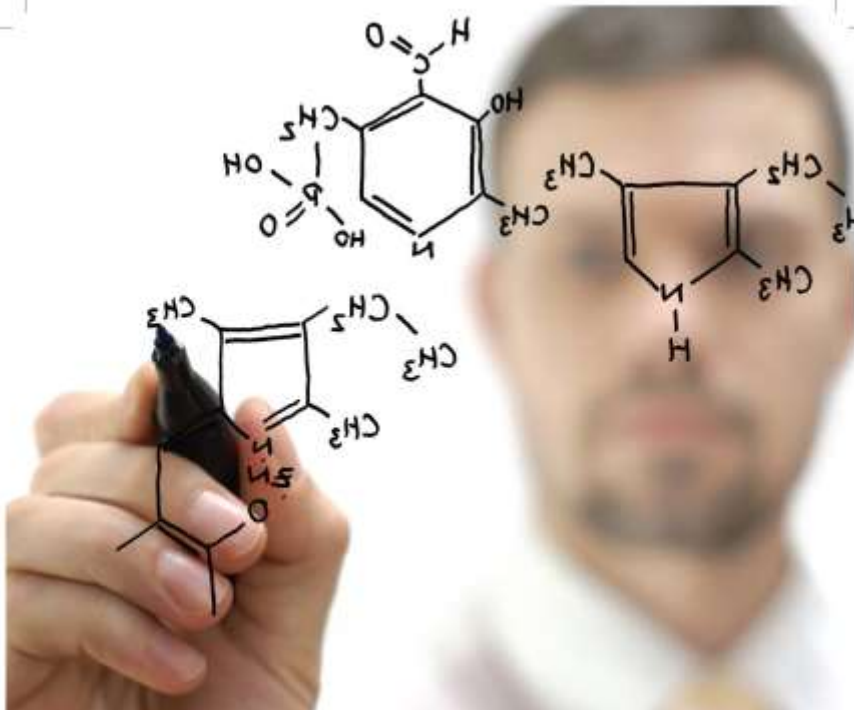
Another enigma is that the volcanoes there often spit out lava made of molten continental crust, even though Iceland is thousands of miles from any continents. Some geologists therefore suspect Iceland is not a lonely island at sea, but actually part of a continent (although as to which one, that can get complicated, too).

That notion finds support off Africa’s eastern coast.

A mid-oceanic ridge in the Red Sea is dividing Africa from Asia. This divorce is happening at the rate at which fingernails grow. Along most of the ridge, the separation is straightforward. But the separation is much messier where the Red Sea meets the Gulf of Aden. In place of an obvious point of thinning where ocean crust is forming, the continental crust between Africa and Asia is splintering into hundreds of pieces. In that location, there is no obvious point where Africa ends and Asia begins.

“It is like very strong and very thick toffee getting stretched out, but not

(Continents continued on page 44)



Solutions to complex challenges

A continually shifting world makes any engineering design solution difficult, often overwhelming. We help you overcome these challenges.

First, we start with you – defining true value and a successful outcome. With a deep understanding of the nexus between regulatory, technological and environmental drivers, we deliver certainty on cost-effective projects and programs that meet and exceed your goals.

Together we can do a world of good.

www.arcadis-us.com

Two Huntington
Quadrangle Suite 1510
Melville, NY 11747
631 249 7600

Imagine the result

 **ARCADIS**
Infrastructure | Water | Environment | Buildings

FPM Remediations, Inc.

An **Olgoonik** Company



8(a) Certified



- ◇ Self-Perform Investigation/Remediation Activities at Sites Impacted by Environmental Contaminants and Munitions
- ◇ Specialize in Performance-Based Contracting
- ◇ Certified/Licensed Engineers, Geologists, Scientists, Geophysicists, and Unexploded Ordinance Experts
- ◇ 20+ Years of DoD Experience
- ◇ DoD Advanced Geophysical Classification Accreditation Program (DAGCAP) Certified



FIND OUT MORE AT: WWW.FPM-REMEDIATIONS.COM

Layne



Resource Development and Maintenance



Water Treatment

Layne Christensen's well-trained field crews and experienced staff work with clients to:

- Develop new water sources
- Rehabilitate existing wells, through either chemical or mechanical processes
- Provide pump service (new sales, repairs and installation)

Layne Christensen's professional engineers can assist in determining an appropriate treatment technology. We then fabricate systems scaled to each client's requirements.

Experienced • Equipped • Committed

... Since 1882

New England • (978) 937-2242
New York • (518) 295-8288
Long Island • (631) 218-0749

(Continents continued from page 41)

snapping,” said Gillian Foulger, a geologist at Durham University in England.

Dr. Rime and colleagues recently published a study in the journal *Geology* showing that Iceland, too, has heavily stretched toffee beneath its surrounding seas. Instead of a clean break between North America and Europe, there appears to be a complex mix of magma and continental crust fragments scattered in a path between the two land masses that runs right through Iceland. Just like the point where the Red Sea and the Gulf of Aden meet, there is no clear point where North America ends and Europe begins.

Of course, if Africa is still attached to Asia through the Gulf of Aden and North America is still attached to Europe, this kind of messes up the “Seven Continents” song. If the crust between these continents is stretching but not snapping, is it well-defined enough to identify the two land masses as separate continents? Or are they still one?

Then there is New Zealand, which really wrecks things for our kids.

Although New Zealand and Australia are often grouped together, they are not on the same continent. While Australia is widely considered to be a continent in its own right, the notion that New Zealand is part of its own continent, Zealandia, is a newer argument.

Submerged shelves that rise high above the ocean floor stretch for miles far beyond the tiny island nation. Along the edges of those shelves, there is deep water and oceanic crust that is thinner than the crust beneath the shelves. Drill cores, seabed dredge samples and rocks collected from the region show that the giant mass that New Zealand sits on is composed of igneous, metamorphic and sedimentary rocks rich in silica, just as is the case with all other continents.

While few think of Zealandia as a continent in cultural terms, “it is increasingly being recognized as a geological one,” Dr. Mortimer said.

But not everyone agrees, and they point to that meddlesome fourth criterion ignored in most textbooks. The crust making up Zealandia is between 10 and 30 kilometers thick, making it thicker than the seven kilometers of most ocean crust. But it is not as thick as other continents’ crust, typically between 30 and 46 kilometers. This makes the boundaries between Zealandia and the ocean less well defined and more difficult to discern. Size creates issues too. At 4.9 million square kilometers, the proffered Zealandia is much smaller than Australia, which itself is only 7.7 million square kilometers.

Then there is the fact that Zealandia is mostly submerged. Being above water is not part of the geological definition of a continent, but it does seem to matter culturally, because people are used to thinking of continents as dry land.

(Continents continued on page 46)

WE WANT YOU TO SHARE YOUR NEWS!

With over 550 Geologists in the NE Section of AIPG, we want to know what has been happening in YOUR workplace and life .

Help us by sending a short blurb to publisher Dick Young at ryoungnj@aol.com or editor Kim Burger at kburger@rouxinc.com. Your story will be part of the next Newsletter.

Need an idea?
Just email Dick or Kim!

**We cannot
wait to hear
about your
news!**



*NE-AIPG Newsletter
Feature Site:
Charles River in
Waltham, MA*



(Continents continued from page 44)



Geologists are still arguing what these discoveries about continental and oceanic crust mean for the number of continents. What is certain is that the research is revealing that there is more than one way for two continents to split apart, and that the split is not always clean or even complete.

“There are basically only two major continents,” Dr. Rime said. “Antarctica and everything else, since South America is connected to North America

through Panama, North America is connected to Asia through the Bering Strait, and Asia is connected to Europe, Africa and Australia through the Urals, the Sinai and Indonesia, respectively.”

Dr. Mortimer doesn’t agree.

“Zealandia is separated from Australia by a 25-kilometer-wide, 3,600-meter-deep ocean trough,” he said. “Based on Valentin’s logic, that would mean there are actually three continents.”

But he acknowledged some uncertainty, adding, “Unless the trough is found to be very deep continental crust, like the Iceland situation, in which case Zealandia would be a part of Australia.”

And then there is the possibility that Iceland is sitting on top of its own large chunk of free-floating crust as perhaps continent No. 9.

“If true, ‘Icelandia’ would join a growing fellowship of continents large and small,” Dr. Foulger said.

Culturally, this research and the arguments it provokes change nothing — which is a good thing, because if there were only two continents, there might not be an infectious tune for your children to sing.

(End)

Have an idea for a Newsletter article?

We are always more than willing to **incorporate our members’ ideas and experiences** into the Newsletter!

Submit your ideas to Kim Burger at:
kburger@rouxinc.com

Tectonic

Practical Solutions. Calculating Success.



www.tectonicengineering.com

800.829.6531

NY. NJ. CT. PA.

- NJ Licensed Site Remediation Professional (LSRP) Services
- Phase I/Phase II Environmental Site Assessments
- Industrial Site Recovery Act Services
- Tank Closures & Spill Investigations
- Vapor Intrusion Studies & Mitigation
- Remedial Design of Contaminated Soil/ Groundwater
- Terrestrial Ecological Evaluations
- Mold, Asbestos & Lead Management
- Subsurface Investigations & Geotechnical Engineering
- Geotechnical Instrumentation & Monitoring
- Vibration & Noise Monitoring
- Retaining Wall & Excavation Support Systems Design



HGI

HAGER GEOSCIENCE, INC.

Innovative solutions to Subsurface Problems

Almost 30 Years of Geophysical
Consulting Services for
Engineering, Environmental,
and Infrastructure Projects

PH +1-781-935-8111

hgi@hagergeoscience.com

Jutta Hager, Ph.D., P.G., President

jhager@hagergeoscience.com



Environmental laboratory solutions provided for your most demanding applications.

The 6th largest environmental testing laboratory in the United States and the largest privately family owned laboratory in the country with more than 50,000 square feet of state-of-the-art laboratory facilities offering:



Air



Sediment & Tissue



Forensic Petroleum



Regulatory Soil



Regulatory Water



Emerging Contaminants

For more information please contact us at 800-624-9220
info@alphalab.com
www.alphalab.com

Westborough, MA | Mansfield, MA | Brewer, ME | Portsmouth, NH
Mahwah, NJ | Albany, NY | Buffalo, NY | Rochester, NY | Syracuse, NY | Holmes, PA

(NOM continued on page 63)

Support Our Advertisers and Sponsors!

The Executive Committee reminds all our members to support the companies that advertise in this Newsletter and generously sponsor our meetings. Their support represents a major contribution that helps the Northeast Section continue its mission to promote the profession and build the cornerstone of our Section, the *Angelo Tagliacozzo Memorial Geological Scholarship Perpetual Trust Fund*. It is our advertisers and sponsors who make our Newsletter so successful and well-distributed, reaching more than 600 members across eight states.

Please let our advertisers and sponsors know you appreciate them by working with these companies whenever possible. Be sure to personally acknowledge their support when you speak with their representatives, and mention you saw their ad or sponsorship in our Newsletter.

Thank you to all our advertisers and sponsors!

SOIL
BORING

(203) 758-5817 Phone
(203) 758-0822 Fax

ROCK
CORING

Portable
Skid/Propane
Track
Truck Rigs



**General
Borings,
Inc.**
SUB-SURFACE INVESTIGATIONS

Monitor Well
Specialists
OSHA
Certified

OBSERVATION
WELLS

P.O. Box 7135
Prospect, CT 06712

CONCRETE
CORING

September 2024 MEETING MINUTES NE SECTION – AIPG
EXECUTIVE COMMITTEE MEETING
September 10, 2024

Kelly Weyer*	Michael Grifasi*	Lou Russo	Scott Tucker*
Jennifer Rhee*	Trevor Gowan*	Dennis McGrath	Scott Hulseapple*
Laurie Scheuing*	Calvin Prothro	Dick Young	Stacy Stieber
Adam Kaiser	Jim Ridenour	Mitchell Ward*	Martin Derby Cheryl Neary

Called to order at 4:00 pm

Welcome Statements and Announcements

- ◆ President Elect 2024 Position Open.

Secretary's Report (Minutes):

- ◆ In the absence of the Secretary, the President reported that the minutes of the May Ex Comm meeting were approved by email on July 26, and included in the Autumn newsletter.
- ◆ Regarding the draft minutes of the July Ex Comm meeting, Kelly suggested several changes be made. No objections were raised; however, a vote on approval was held in abeyance pending amendment to reflect the suggested changes and subsequent distribution of the revised draft by the Secretary. After distribution by Mitch, a motion to accept/end/approve will be entertained via email.

Treasurer's Report

- ◆ Scott Hulseapple reported that all awards from the Angelo Fund have been received by the awardees and that all the checks have been cashed. The Fund value remains in a strong position. A short discussion ensued about what a sustainable distribution level might be given the fund value at present.
- ◆ The Treasurer reported that the President had been reimbursed for travel expenses incurred to attend the National Meeting, at the level that had been approved in advance and as was budgeted. This amounted to \$1800.00, however, the actual expenses incurred were \$2133.23. Laurie made a motion to reimburse the President for the difference between the budgeted and incurred amounts, seconded by Scott Tucker. Without objection, the motion passed. After the vote, Kelly reported that the meeting was good, and recommended attending to all who have an opportunity to attend in future. She also noted hearing from attendees in several sessions that various section membership rolls are slowly increasing after declining in recent years. Next year the meeting will be in St. Louis, MO
- ◆ Ongoing items
 - ◇ Scott reported that he has filed paperwork with the State of New Jersey related to the need for an incorporated agent for the Angelo Tagliacozzo fund. He noted that a physical address in NJ where the agent can be contacted was a requirement.
 - ◇ The Treasure observed that he expects the section will incur a sizable expense associated with the Fall meeting, but that it also typically is an income producer.

(Minutes continued on page 52)

SAFETY. QUALITY. PEOPLE. EQUIPMENT.

GLOBAL LEADERS IN SITE CHARACTERIZATION



Seismic Cone Penetration Testing (SCPTs)



Geophysical Testing



Over Water



In-Situ Testing (eVST, PMT, DMT)



Monitoring and Instrumentation



Drilling and Sampling

BETTER INFORMATION
BETTER DECISIONS

CONETEC.COM

CONETEC

CSIG

ENVIRONMENTAL CONSULTANTS

- ✓ property transfer site assessments
- ✓ groundwater development, management, protection, permitting
- ✓ UST closures and investigations
- ✓ litigation support

Carol S. Graff, CPG-06429
109 Renfrew Avenue
Trenton, NJ 08618-3335

Phone: 609-393-4442
FAX: 609-393-5999
E-mail: cgraff5297@aol.com

(Minutes continued from page 50)

Reports from Committees

- ◆ Scholarship: Committee Chair gives update.
 - ◇ The committee is working on reviewing and finalizing materials for the 2024-2025 scholarship application. The President will be reaching out to persons who have expressed an interest in helping with this activity.
 - ◇ Announcements of the availability of the scholarship application will go out before the end of September. These will be directed to the universities that show up in the section member directory. The application period will run from the end of September to the beginning of December.
 - ◇ The President mentioned that we need to confirm the makeup of the committee for the 2024-2025 period.
- ◆ Publications
 - ◇ Dick reported that the Autumn newsletter has been distributed and announced that he is seeking content for the 2024 Holiday edition (due out in November 2024). A few remarks followed regarding advertising and sales income.
 - ◇ The reporting closed out with a general plea for content for the newsletter going forward, and a brief exchange on whether a closer look at how the membership values the newsletter and if it should be continued in its current configuration might be merited.
 - ◇ Ongoing items – Kelly observed that steps have been taken to ensure website access to the newsletters, and that content there is up to date. In addition, there is an archive on ISSUU.
 - ◇ Mike said he would pull something together for the newsletter, a book review on a geology-related novel.
- ◆ Meetings/Webinars/Events Committee
 - ◇ Fall Meeting – Friday, 10/11/24.
 - ◆ A September 4 motion to approve expenses was passed via email on September 5.
 - ◆ The event will be held starting at 3:30 PM EDT at the Dinosaur State Park in Rocky Hill, CT. Registrations are coming in. The speaker and topic have been confirmed; the speaker will be coming from Yale, in New Haven, CT, and overnight accommodations are not needed.
 - ◆ We are giving \$250 donation to the park.
 - ◆ A discussion ensued as to what kind of gift would be appropriate to thank the speaker for this event, and more generally going forward. There was general feeling that some kind of acknowledgement is appropriate, but that it ought to be something easy to manage by givers and receivers and perhaps not just a rock to sit in a corner someplace. Several suggested that something like a coffee mug or a cup would be more practical, although there might be attendant considerations related to bulk acquisition and storage. Mike said that he would check around over the coming week for potential costs of making a mug. He also said he would check with National AIPG to see if we could get some help from them that might lead to a section mug that is a takeoff on one of their designs. Dick suggested that an NE Section mug design might include some interesting geology images from the region, and over the short term perhaps we could give an existing AIPG mug with a gift card and a thank you note tucked inside.

(Continued on page 54)



TRAP & TREAT[®]

BOS 100[®]

BOS 200[®]

CAT 100

THE ORIGINAL AND MOST WIDELY APPLIED
**ACTIVATED CARBON
BASED IN-SITU
REMEDICATION
CHEMISTRIES
IN THE WORLD**

The RPI Group approach includes high density site characterization with pro bono laboratory support, expert project design, and professional installation.

19
YEARS

Celebrating our 19th year of unprecedented success returning environmentally compromised properties to their highest and best use.

Contact Derek Pizarro (610-517-8242, dpizarro@astenv.com) to learn if the RPI Group Approach to in-situ remediation is an option for your site.

(Minutes continued from page 52)

- ◆ Geology Days – Saratoga Springs, NY
 - ◇ Mike mentioned that some Syracuse students will be attending, and that this provides an opportunity for the professionals to interact with them and make them aware of the existence, activities and benefits of affiliation with the NE Section. Kelly suggested the possibility of organizing a more-or-less informal gathering of AIPG attendees on one of the days.
 - ◇ NE-AIPG is co-hosting field trips (one on Nov 12, another on Nov 13). The trip to Saratoga Springs is fully subscribed; 30 of the 50 slots for the Pine Bush parabolic dunes trip are filled.
- ◆ Other Upcoming Events
 - ◇ PDH Webinars – w/PDH \$25/\$30, no PDH \$20/\$25. Mike said he has a contact who is interested in doing a presentation; Kelly suggested that might fit into the January-February-March framework, maybe as a part of a Winter Webinar Series.
 - ◇ Anyone with ideas for a talk or who knows of someone who might be a presenter is invited to pass that information along. Also, consider a gift for presenters.
 - ◇ We need to start thinking about the Jan-Feb-Mar meetings.
- ◆ ExCom and Committees
 - ◇ Still looking to fill ballot slots for 2025. Current office holders have agreed to serve an additional term as needed. There are three possible candidates for the at-large positions; one of the current at-large members is willing to continue another year. Calvin was asked about the possibility of serving in the officer track; he said it was not possible this year, perhaps next.
 - ◇ Our intention is to finalize the ballot, distribute it, have the voting proceed and report out the results before the Ex Comm October meeting.
- ◆ Student Outreach/Mentoring/Student Chapters
 - ◇ No activity to report yet; classes just started, and it is early in the term, students still getting settled. We do (as noted above) want to get the scholarship application information headed their way asap. Perhaps we could also consider putting on some webinars (or pointing out existing webinars that are accessible and could be of interest to them). Another possible option to consider would be to arrange some campus visits. No comments were forthcoming.

Correspondence

- ◆ We received an inquiry from National AIPG inquiring if the section would increase section dues and modify dues for emeritus level members. The section decided to decline both.
- ◆ Dick asked if others have been getting spam emails purporting to be from bona fide members/officers. He reported receiving them for quite some time. Kelly asked whether removing personal contact information from the website might help address that situation, the consensus was that there is not a lot that can be done that would be effective. A word to the wise was offered to always reach out to the supposed originator of such an inquiry before providing things like credit card information

Old Business and New Business

- ◆ Website is being kept current, making it apparent that we are an active group.
- ◆ No new business noted.

Closing Statements and Final Thoughts

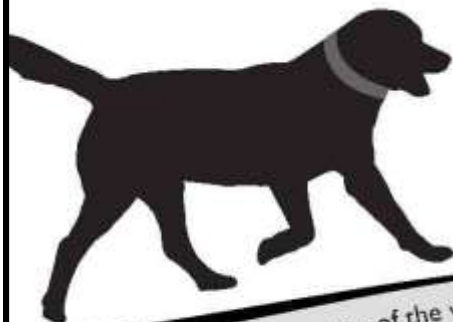
- ◆ Next ExCom meeting – December 2, 4 pm, Zoom.
- ◆ Kelly hopes that we have the election handled shortly.

Meeting adjourned at 5:18 pm without objection.

(End)



Eastern Analytical, Inc.
professional laboratory & drilling services



GROUNDWATER
SOIL & SLUDGE
WASTEWATER
STORMWATER
DRINKING WATER
SURFACE WATER

we're with you every step of the way | www.eailabs.com | 800.287.0525

SOME AIPG THINGS YOU CAN DO

What's going on out there? Let your colleagues know what you are working on, your new position, or a new company.

Simply e-mail a paragraph or more to:
kburger@rouxinc.com

Become active in your section.
Attend one of our meetings.

For details, simply e-mail info@ne-aipg.org

Join our Executive Committee. We always have openings for creative, committed Geologists wanting to make a difference, and not much is asked of your time. Think about putting it on your resume!

For more info, simply e-mail info@ne-aipg.org



GeoVISION™ BOREHOLE VIDEO CAMERA SYSTEMS

Hand Reel to 1000 Feet, Electric Winch to 2000 Feet
Joystick-Controlled Pan Tilt or Dual View Cameras



Bore Diameters From 1-Inch To Mine Shafts

sales@alleghenyinstruments.com
www.alleghenyinstruments.com

800-255-1353
802-626-5302



Serving Southern New England and Eastern New York

Connecticut Test Borings, LLC

Geotechnical and Environmental Drilling

- ◆ Hollow Stem Auger Drilling
- ◆ Soil Sampling - Rock Coring
- ◆ Monitor Well Installations
- ◆ Direct Push (Geoprobe®) Sampling



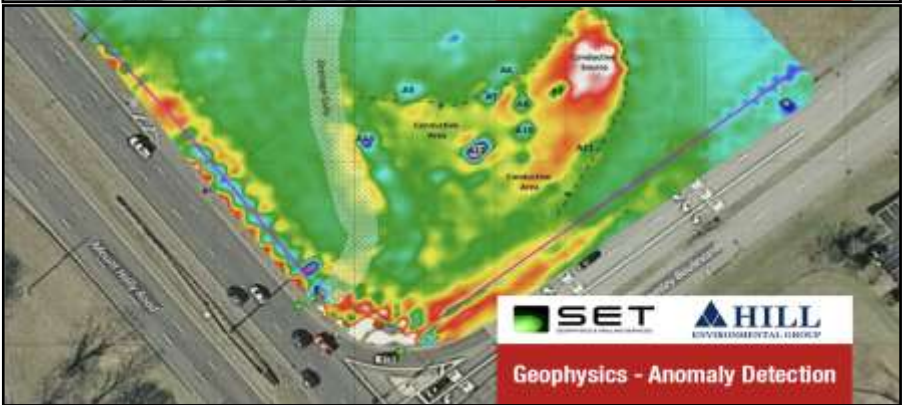
www.connecticuttestborings.com • 203-888-3857 • fax 203-888-0655 • ctbllic@sbcglobal.net



Welcomes SET and Hill Environmental



 
INVESTIGATIONS & UTILITY LOCATING



 
GEOPHYSICS - ANOMALY DETECTION

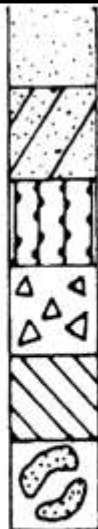


 
SOIL REMEDIATION

CARL VERNICK, P.E.
President

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333



Test
Borings

3770 Merrick Road
Seaford, New York 11783
Phone (516) 221 - 7500
Fax (516) 221 - 0254

SOIL MECHANICS

Environmental Site Assessments
Geoprobe Environmental Sampling
Inspection-Testing-Drilling

Carl Vernick P.E.
President



MB DRILLING



MB Drilling has a large, multi-disciplined drilling fleet that provides a variety of drilling techniques to serve our clients.

Art Becker
ABecker@MBDrillingLLC.com

Brian McGuire
BMcGuire@MBDrillingLLC.com



609.294.1110
MBDrillingLLC.com

Fast & Accurate Surface and Borehole Geophysics

Acoustic & Optical Televiewer Logging

Borehole Video & Geophysical Logging

Multi-Electrode Resistivity Imaging

Seismic Refraction & Reflection

Radar, Magnetics, EM & VLF

Do
More
than
Scratch
the
Surface...

GEOPHYSICAL APPLICATIONS

INCORPORATED

Holliston, MA • 508-429-2430

Ask about our geophysical instrument rentals

(Geology Days continued from page 19)



Field Trip 1: Tuesday, November 12th – “Stratigraphy, Structure, and the Mineral Waters of Saratoga Springs”



(Geology Days continued on page 61)

(Geology Days continued from page 60)



Field Trip 2: Wednesday, November 13th – “The Albany Pine Bush: Globally-rare ecology built on a unique foundation of paraglacial sand dunes”



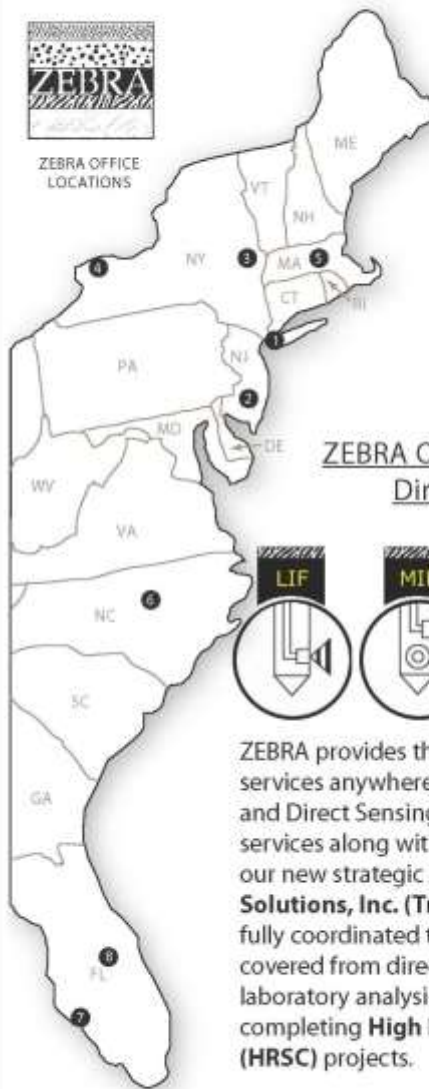
(End)

ZEBRA Environmental Corp.

Providing Subsurface Sampling, Injection and Data Collection
for Environmental Professionals Since 1992



ZEBRA OFFICE
LOCATIONS



Headquarters:
NYC, NJ &
Southern
CT Area

1 LYNBROOK, NY
516-596-6300

2 JACKSON, NJ
732-275-8333

Upstate NY &
New England

3 ALBANY, NY
518-355-2201

4 NIAGARA FALLS, NY
716-297-6567

5 UXBRIDGE, MA
508-581-9880

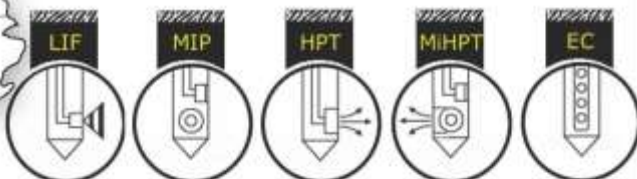
Southeast
Region

6 CARY, NC
813-626-1717

7 TAMPA, FL
813-626-1737

8 Orlando, FL
813-626-1717

ZEBRA Offers The Widest Range of Direct Sensing Services:



ZEBRA provides the widest range of Geoprobe/ DPT services anywhere, including a toolbox full of Injection and Direct Sensing systems. ZEBRA is now offering **UVOST** services along with **EC, MIP, MiHPT, CPT, MIP/CPT**. With our new strategic partnership with **TRIAD Environmental Solutions, Inc. (TriadES)** we are able to offer our clients a fully coordinated team of professionals. We have you covered from direct sensing to quantitative on-site laboratory analysis with DPT operators experienced in completing **High Resolution Sites Characterization (HRSC)** projects.

1-800-PROBE-IT

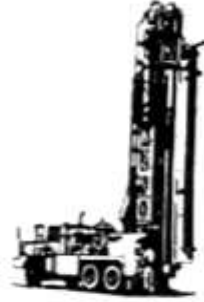
WWW.TEAMZEBRA.COM

BOYD ARTESIAN WELL CO., INC.

We design, manufacture and install round holes!

GEO THERMAL WELLS
WELL ABANDONMENT
ROTARY & PERCUSSION DRILLING
WELLS REPAIRED & DEEPEMED
COMPLETE WATER SYSTEMS
HYDROGEOLOGICAL CONSULTING
MONITORING WELLS

SPLIT SPOON SAMPLING
EXPLORATORY DRILLING
HYDROFRACTURING
IRRIGATION WELLS
SPECIALTY DRILLING
GRAVEL WELLS
SITE ASSESSMENTS



CARMEL, NY

(800) 321-2693

WWW.BOYDARTESIANWELLCO.COM

**Your FULL COLOR
advertisement could be
right here!**

**Contact Advertising
Manager Richard Young
at ryoungnj@aol.com**

Site & Subsurface
Investigations

Geotechnical &
Environmental
Site Investigations

SOIL TESTING, INC.

- Test Boring - Core Drilling
- Monitoring Wells
- Micro Piles
- Helical Piers

53 Years of Drilling Services

140 Oxford Road, Oxford, CT 06478

1-800-388-4473

(203) 888-4531

fax (203) 888-6247



AARCO Environmental Services Corp.

Premier Drilling Company



AARCO Environmental Services Corp. is a premier full service environmental contracting company. Our expertise includes a wide variety of drilling services:

*Environmental Drilling, Geotechnical Drilling
Hollow Stem Auger, SONIC Drilling, Air
Rotary Drilling, Mud Rotary Drilling, Well
Installation, Well Decommissioning, Chemical
Injection, Direct Push, Remote Access,
Truck and Track mounted rigs.*

NY & NJ Licensed



AARCO Environmental Services Corp.

50 Gear Avenue, Lindenhurst, NY 11757

Ph: (631) 586-5900 Fx: (631) 586-5910

www.aarcoenvironmental.com

NEW ENGLAND BORING CONTRACTORS OF CT., INC.

129 KREIGER LANE, GLASTONBURY, CT 06033

THE RIGHT EXPERIENCE, THE RIGHT EQUIPMENT, THE RIGHT COMPANY

Serving New England, NY & NJ

- Test Borings
- Monitor Wells
- Construction Drilling
- Multi-Rig Capabilities



www.newenglandboring.com

(800) 410-5550 • (860) 633-4649 • FAX: (860) 657-8046

What is AIPG's Mission?

The mission of the Institute shall include:

- ◆ Advancing the geological sciences and the profession of geology;
- ◆ Establishing qualifications for professional geologists;
- ◆ Certifying the qualifications of specific individual member geologists to the public;
- ◆ Promoting high standards of ethical conduct among its members and adjuncts and within the profession of geology; and
- ◆ Representing and advocating for, the geological profession before the government and the general public.

Want to reach more than 800 clients?
Then ADVERTISE!

Contact Dick Young 973-335-2289 or email
RYoungNJ@aol.com **to get your company's**
advertisement in the newsletter.

We offer all size ads from full page to business card
size and full color to black-and-white.



"We look into the earth"

PENNSYLVANIA DRILLING CO.

FOUNDATION TESTING	INCORPORATED 1900
MONITORING WELLS	
DAM DRILLING	281 ROUTE 30
ENVIRONMENTAL WORK	IMPERIAL, PA 15126
"PENNDRILL" DRILLING SUPPLIES	PHONE 724-695-2400
MONITORING WELL SUPPLIES &	FAX 724-695-2455
MANUFACTURING	800-245-4420

www.pennsylvaniadrillingco.com

SB CHURCH

WELL & PUMP SERVICES SINCE 1886

49 Great Hill Road, Oxford, CT 06478

203.888.2132

www.sbchurchco.com

GET TO THE SOURCE... THE FIRST TIME!



with Horizontal Remediation Wells

Some of the benefits:

- No business interruption during installation
- Maximum exposure to contaminants
- Cost efficient
- Reduced maintenance equipment, and operations cost.

And a few of the applications are:

- Horizontal Air Sparging
- Horizontal Soil Vapor Extraction
- Horizontal Bio Remediation
- Horizontal Soil Sampling
- Chemical Oxidation
- And many more...

DIRECTIONAL
Technologies, Inc
Horizontal Directional Drilling Services

203.294.9200

www.directionaltech.com | Email: ksequino@directionaltech.com

PIGGYBACKING: SERVICE EXPANDED FOR NE/AIPG ADVERTISERS!

The NE/AIPG Newsletter has again expanded its Piggybacking options offered to Advertisers. Advertisers can include promotional flyers or brochures along with NE/AIPG's normal distribution of the Newsletter.

Piggybacking gives NE/AIPG Advertisers a cost-effective way to get their promotional material into the hands of NE/AIPG's targeted audience of decision-makers. That audience encompasses over 600, including ~500 NE/AIPG Members and Applicants throughout New York, New Jersey, and the six New England states, as well as ~40± AIPG National and Section Officers, plus over 60 Advertisers, and others. NE/AIPG Members benefit from keeping current on available and innovative products and services.

Piggyback Rates for digital issues (see <http://issuu.com/neaipg/docs>):

1. A "Full Page" (~8" high by 5" wide) Space in Full Color costs \$125 per issue.
2. A "Double Full Page" (~8" high by 10" wide) Space in Full Color costs \$225 per issue.
3. A "Quad Full Page" (2 Doubles of ~8" high by 10" wide each) Space in Full Color costs \$425 per issue.

To schedule your Piggyback promotion, or to learn more, just call Dick Young at 973-335-2289 or e-mail RYoungNJ@aol.com.



Maine Test Borings

18 Mack Lane
Hermon, ME 04401

Jon Rudnicki

Ph: (207) 848-7041
Ph: (800) 698-9142
Cell: (207) 659-1749

Fx: (207) 848-7042
www.mainetest.com
jon@mainetest.com

NE-AIPG is working to keep you informed.

Although NE-AIPG is an *all-volunteer group*, we do our best to keep the Event Calendar and content on the <https://ne-aipg.org/> website up to date, and to send emails with upcoming events and announcements.

On the Northeast Section's website, you can also find archived Newsletters, links to AIPG's job board and mentoring program, and information on the Angelo Tagliacozzo Memorial Geological Scholarship (ATMGS) and on Advertising in our Newsletters. Please check the website regularly, and watch your emails for updates!

Season's Greetings

From NE-AIPG!



**Your Full Color
Professional Business
Ad could be right here,
selling for you
EVERY DAY!**

**Just Call Volunteer
Advertising Manager
Dick Young at
973-335-2289
or email
RYoungNJ@aol.com**



GEOD CORPORATION

AERIAL PHOTOGRAMMETRY • LAND SURVEYING • SUE

GEOD OFFERS YOU:



Photogrammetric Mapping • GIS Base Mapping



Subsurface Utility Mapping



Land & Engineering Surveying



Construction Surveys



Laser Scanning

24 Kanouse Road, Newfoundland, NJ 07435
Telephone: 973-697-2122 ■ Fax: 973-838-6433
Email: marketing@geodcorp.com
Website: www.geodcorp.com



***Specializing Exclusively in
Land, Marine, and Borehole Geophysics***

TECHNIQUES

Ground Penetrating Radar
Seismic Refraction/Reflection
Magnetics
Microgravity
Electromagnetics
Resistivity
Electrical Imaging
Spontaneous Potential
Multibeam Sonar

Metal Detection
Side Scan Sonar
Hydrography
Geoelectric Leak Detection
Induced Polarization
Sub-Bottom Profiling
X-Ray Fluorescence
Acoustic Leak Detection
Borehole Logging and Imaging

APPLICATIONS

Rock Depth/Rippability Mapping
UST / Drum Detection
Utility Detection / Tracing
Well/Water Supply Siting
Fracture Detection
Sinkhole Mapping
Ordnance Detection
Rebar and Cable Mapping
Grave Detection
Contaminant Plume Mapping
Landfill Liner Leak Mapping
Boring Location Clearance
Subgrade Washout / Void Mapping
Seafloor Mapping

Shipwreck Location
Seismic Hazard Studies
Hydrocarbon Detection
Seismic Site Classification
Bathymetric Surveys
Well Characterization
Well Construction Confirmation
Bridge Pier Scour Detection
Archeogeophysical Surveys
Septic System Delineation
Blast and Vibration Monitoring
Detection of Foundation Elements
Water Table Mapping
Buried Landfill Detection

7 REASONS TO USE ENVIROSCAN

- Geophysics is our only product - so we really know what we're doing.
- We own all the gear for all techniques - so we use the right tools every time.
- Since we do only geophysics, we are not your competitor!
- We have 4 licensed PGs on-staff managing or reviewing every project.
- We provide fully electronic / digital / GPS-based mapping and reporting.
- We provide one-stop shopping for land, marine, and borehole geophysics.
- We are WBE - certified.



717-396-8922
1051 Columbia Avenue • Lancaster, PA 17603
www.enviroscan.com



A Division of ENVIROSCAN, INC.

A Division of ENVIROSCAN, INC.

NE-AIPG 2025 PUBLICATION SCHEDULE

Winter Newsletter

January	6	Deadline (Material to Editor)
January	17	Content to Publisher
February	3	E-mail to Members

Directory of Members

February	3	Deadline (Material to Editor)
March	10	Content to Publisher
April	7	E-mail to Members

Spring Newsletter

March	14	Deadline (Material to Editor)
March	31	Content to Publisher
April	14	E-mail to Members

Autumn Newsletter

July	18	Deadline (Material to Editor)
August	8	Content to Publisher
September	2	E-mail to Members

Holiday Newsletter

October	3	Deadline (Material to Editor)
October	17	Content to Publisher
November	3	E-mail to Members

**Please Email News, Info, & Articles
to Kim Burger: kburger@rouxinc.com**

**For Advertising Rates & Info, Please Contact
Dick Young: RYoungNJ@aol.com or
*Cell 203.627.8085***



50 Gear Ave
Lindenhurst, NY 11757



Phone: (631) 979-2890
Fax: (631) 979-2891
Email: locator@optonline.net
Web: www.x-raylocating.com

We offer:

- Line Locating
- Ground Penetrating Radar (GPR)
- Video Pipe Inspection (*DVD supplied*)
- Digital Mapping/Reports
- Fault Locating

Short notice? No problem.
Call us and we'll work with you.

We work on commercial, residential, industrial and government properties

We find buried:

- Electric and Communication cables
- Water and Gas lines
- Sewer and Drainage pipes
- Metallic/Non-metallic pipes
- Tanks
- Cesspools/Drywells
- Manhole Covers
- Valves
- Pull-Boxes/Splice Boxes

Our employees are professional, courteous and accommodating

Visit our website
www.x-raylocating.com
and fill out our
Mark-out Request Form



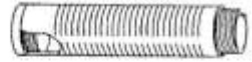
X-ray
Utility Locating Service
(631) 979-2890
locator@optonline.net



**Atlantic
Screen &
Mfg., Inc.**

Manufacturers of Slotted & Perforated Pipe
ranging from 1/2" to 24" in diameter

- Well Rehab. Products
- Manholes
- Bentonite
- Filter Sock
- Inline Chemical Mixers
- Sampling Bailers
- Clear PVC Pipe
- Locking Caps



302-684-3197
FAX 302-684-0643
142 Broadkill Rd. • Milton, DE 19968
www.atlantic-screen.com
email: atlantic@ce.net



COMPLETE ENVIRONMENTAL TESTING, INC.

Contact Robert Blake
Technical Sales Representative

80 Lupes Drive
Stratford, CT 06615

Tel (203) 377-9984
Fax (203) 377-9952
E-mail: rblake@cetlabs.com
www.cetlabs.com

- Since 1886 -

SAMUEL STOFF CO., INC.

Flemington, NJ

WATER AND MONITORING WELL DRILLING
ROTARY -AUGER-CORE-PROBE RIG
DOWN HOLE VIDEO INSPECTION SERVICES
HYDROFRACTURING & WELL REDEVELOPMENT
7 PUMP SERVICE TRUCKS AND INVENTORY OF 400 PUMPS

Dick Stothoff
FAX: 908-782-9528

David Lyman
Phone: 908-782-2116



HOW DO YOU ACCESS DIFFUSION LIMITED PORE-SPACE?

With **COMPLETE CONTROL** of injection **DIRECTION**, **RADIUS**, and **VELOCITY**.

From the grounds of Space Launch Complex 15 at Cape Canaveral, **BADGER INJECTION SOLUTIONS, LLC** is now servicing the Northeast with kinetically adjustable pore space dilation injection techniques to emplace your selected in-situ treatment amendment.

It's all about **CONTACT**, and the Badger Technology **DELIVERS**.

- DAILY injection volumes average 2,500 GALLONS with injection rates of up to 35 GALLONS PER MINUTE
- TARGET SPECIFIC TREATMENT AREAS using a selection of nozzle arrays (360°, 270° or 180°) with a MINIMUM RADIUS OF 15-FEET
- VARIABLE INJECTION FLOW RATES - essential in allowing amendments to diffuse into limited pore spaces



Environmental Assessment & Remediations is the certified BADGER technology provider for the Northeast.

Contact us **NOW** to coordinate your **INJECTION SERVICES** for 2016!

(631) 447-6400 ext 153
allen@enviro-asmnt.com
badgerinjectionsolutions.com



ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS



Providing Critical Environmental Data on Properties Throughout the U.S.

Envirosite's cost-effective government records database and historical property research solutions are used industry-wide for:

- Environmental Site Assessments (ESAs)
- Environmental Risk Management
- Phase 1 & 2 Reporting
- RSRA Desktop Reviews
- Due Dilligence



Our solutions provide near real-time data delivery. Receive the environmental information you need – when you need it.

Contact us at 866-211-2028 and reference our NEAIPG newsletter ad for a FREE TRIAL REPORT.



"Quality and Service - the way it used to be."

- Subsurface Exploration
- Geotechnical Engineering
- Geotechnical Laboratory Testing
- Special Inspections
- Construction Materials Testing
- Environmental Services
- SWPPP Monitoring
- Storm Water Infiltration Testing
- Asbestos Abatement Monitoring



1.800.821.5911 • info@sjbegs.com • www.sjbegs.com
Offices in: Albany, Buffalo, Cortland, Jamestown and Rochester, NY

CRAFTSMANSHIP You Can Trust

Put our 65+ years of Experience to the test

Services Offered

- Environmental
- Construction
- Alternative Energy
- Maintenance



Visit us online @

www.islandpumpanktank.com

1-800-458-PUMP

Two Companies have Joined Forces!



ENVIRENT
corporation

**Environmental
RENTAL**

**FREE
DELIVERY**
on rental
orders in
North Jersey

- PID'S
- Water meters
- Dust meters
- Bailers and
much more....

**Now bigger and better
with expanded capabilities
for all your equipment needs
while still providing the same
great personal service you expect.**

10% OFF
your first rental
with postcard

(800) 446-8736 and (800) 219-7368

www.environmentalrental.com

www.envirent.com

**ANGELO TAGLIACOZZO MEMORIAL
GEOLOGICAL SCHOLARSHIP TRUST FUND
LIST OF CONTRIBUTORS SINCE 1987**

(All Contributors, Since Fund Inception Through December 31, 2022)

FRIENDS OF THE FUND
(\$1,000+)

Aquifer Drill ing & Testing, Inc.
Banino, George
Bl auvelt, Robert P.
Dimmick, Charl es Wm.
Kasabach, Haig F.
Kraemer, Curtis A.
Leggette, Brashears &
Graham, Inc.
McGrath, Dennis G.
Northeast Section – AIPG
Patota, Jean M.
(From benefactor)
Proce, Christopher
Rexrode, H. Leonard, Jr.
Roux Associates
Roux, Paul H.
Schiffman, Arnol d
Sl ayback, Russel I G.
Val kenburg, Nichol as
Young, Richard H.

(From contributor)
Brinckerhoff, Laura
*(In Honor of
Frank McCarthy)*
Burke, Michael R.
Con-test Analytical
Laboratory
EcoRental
Gavras, John M.
Graff, Carol S.
Harrington, Jonathan
Long, Dean
Kl eiman, Amy
Mil l er, David W.
Neubeck, Wil l iam S and
Jean M.
Nova Consul ting &
Engineering, LLC
PVE Sheffl er
Rich, Charl es A.
Richter, Dorothy
Rosenfel d, Mordecai
Soil Testing, Inc.

BENEFACTORS (\$500+)

Al l en, Boyd III
(From Patron)
Cascade Drill ing, Inc.
Emerson, Mark
FPM Remediations
Frederick, Jeffrey
Herrick, Dean H.
Higgins, Jonathan B.
(In Memory of Leo Hal l)
Kayl er, Kyl e
Mahier, Luke
(From Patron)
McEachern, Michael
Stone, Timothy S.
Whitbeck, Luanne

PATRONS (\$250+)

Airmag Surveys, Inc.
Al pha Analytical
Anonymous
Becker, Arthur E.

SPONSORS (\$125+)

Al pha Geoscience
Brown, Christopher
Chamberl ain, John Mark
Cl emens, Robert H.
DeAngel is, James
Eggers, J.
ERM – Northeast
Fakunding, Robert
Getchel l , frank
Graham, Jack B.
Greenman, Michael
Heindel , Craig and
Chaves, Judith
Hince, Eric
Koch, El l is
Mathez, Muriel
Pieriboni, John
Prehoda, Wil l iam P.
Schechner, Cl aire and Louis
Scheuing, Laurie

(Contributors continued on page 83)

(Contributors continued from page 83)

Standish, Richard
Stewart, Robert A.
Tsacoyannis, Nicholas
Urban-Mead, Russell B.
Waste Management, Inc.
(Matching Gift on Behalf of
George Banino)

CONTRIBUTORS (\$50+)

Arguden, A. Tefvik
Barish, James M.
Bell, David L.
Bell, Edward S.
Bennington, Bret
Bugh, James
Cain, Kevin
Davis, R. Laurence
Environmental Compliance,
Inc. (On Behalf of
Joseph Torlucci)
Flick, William
Gallagher, Evelyn A.
Hanlon, Kerry
Herman Karpel Memorial Fund
(On Behalf of Friends of
Rhoda Tagliacozzo)
Hnottavange-Tellen, Ken
Hoogerhyde, Kevin J.
Housman, John J., Jr.
Jonathan Paul Associates, Inc.
Kaczor, Sofia
Ketani, Ralph
Mase, David F.
Maslansky, Steven P.
McEachern, Jessica
Mozer, Robert
Neubeck, William S.
Penn, William E.
Rice, John
Rhyner, John
Russo, Luigi
Ryan, Michael J.
Scott, David
Shope, Steven
Siliman, Robert and Roberta
Sparrow, Leslie
St. Germain, Daniel J.
Stokes, Kurtis W.
StoneHill Environmental, Inc.

Tatlock, Derek
Timmons, Robert
Torlucci, Joseph
Tyers, George
Waring, Andrew D.
Wenz, Kenneth P.
Werle, Craig
West, William T.
Weyer, Kelly
Wohlford, Thomas

DONORS (Up To \$50)

Bablin, Christopher
Barbour, Richard and Rose
Becker, Jennifer
Bowes, James
Bradley, Margaret
Busa, Mark D.
Clausen, Jay
Cox, Peter
Faldetta, Sarah
Fournier, Leroy
Fredrick, William T
Gannett Fleming, Inc.
Hager, Jutta
Harwood, David G.
Hergert, David
Hixon, Richard A.
Hulseapple, Scott
King, Daniel
Kowalski, Richard G.
Ross, Lauren and Shelley
Sass, Daniel B.
(In Honor of K. E. Caster)
Shakti Consultants
Sinnott, Joseph
Skehan, James
Speidel, David
Susca, Michael
Vozza, Scott
Wayland, Russell
Weinstock, Eric
Wehran Engineering

***Why Isn't Your Name
On This List?
Solve it!
Simply see [Pages 80-81](#)
and then
Move into Action!***

Celebrating 38 Years of Scholarships!

The Angelo Tagliacozzo Memorial Geological Scholarship

The Angelo Tagliacozzo Memorial Geological Scholarship was established by the Northeast Section of the American Institute of Professional Geologists in late 1986. The first Scholarships were presented to undergraduate Geology students in 1987.

The ATMG Scholarship recognizes the dedicated leadership and service which Angelo provided to NEAIPG, to AIPG, and to the geological profession, until his untimely passing on October 11, 1986. The Scholarship furthers Angelo's goal of acquainting young geologists with AIPG and with AIPG's importance to the geological profession.

ANGELO TAGLIACOZZO (1936 - 1986)

Angelo Tagliacozzo received his doctorate in Geology from the University of Rome (Italy) in 1962. Thereafter, he worked in various positions as geologist, geophysicist, and hydrogeologist, which included assignments abroad, in the U.S., and with the United Nations. Angelo provided exemplary service to AIPG at the Section and National levels. He was a Northeast Section Executive Committee Member (1973- 1982), Vice President (1977-1978), President (1979-1980), National Advisory Board Delegate (1981-1982), and Screening Board Chairman (1984-1986). Angelo's dedication to and leadership of the Northeast Section Screening Board has become the ultimate standard against which service in such a position is measured. Angelo also served as an AIPG National Executive Committeeman (1982); he was a vigorous advocate of measures to increase professionalism. Angelo was (and will always be remembered as) a respected professional... and a friend to many.

THE SCHOLARSHIP

NEAIPG grants Scholarships to undergraduate geology students annually. The Scholarships are designed to help with the cost of summer field courses, textbooks, and other aspects of geological education. Scholarships are awarded, on academic achievement and on financial need, to students enrolled in recognized geology programs at colleges or universities located in Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, Vermont.

YOUR CONTRIBUTIONS

Your participation is encouraged in support of this dynamic memorial to Angelo and his recognition of the importance of AIPG to the geological profession. Contributions to the Scholarship Perpetual Trust Fund should be written to:

The Angelo Tagliacozzo Memorial Geological Scholarship Trust Fund, Inc.
and mailed to:

NE/AIPG Geological Scholarship Trust Fund
c/o Scott Hulseapple
679 Plank Rd, Clifton Park, NY 12065

Alternatively, you can **make your Contribution RIGHT NOW ONLINE**, by simply going to <https://ne-aipg.org/> and clicking "Donation To Scholarship Fund" (under "Quick Links" on the home page).

All Contributions are invested perpetually, with earnings thereon used solely for the Scholarship. NE/AIPG bears all costs of administration. Please ask your employer about matching your tax-free contribution, and additional corporate contributions.

For further information, contact Kelly Weyer:

neaipg.atscholarship2@gmail.com

Memorandum

To: Kelly Weyer, Chairperson, ATMG Scholarship, Northeast Section, AIPG

From:

Date:

Re: *I'm Taking the Pledge: I'M IN FOR 2025!*

Dear Kelly,

This year, I am 100% with you when it comes to achieving the Section's goal of 100% participation in support of the ATMG Scholarship Perpetual Trust Fund in 2025!

I agree with your encouragement that **each and every Section Member make a contribution in accordance with their ability!** Affordable donations from many members, can show a stronger and more united support for the future of our profession and aspiring geologist, rather than relying on the generous support from a few members.

To show my support toward the profession of Geology and encourage aspiring Geologist, you can count me in FOR 2025!

I am committed to contributing, as much as I can, **to give back to the profession that has given me so much. I'M IN FOR 2025**, and I am considering a **tax-free donation** equivalent to \$35 a Week, \$35 a Month, or \$35 for the Year!

Also, I just wanted to tell you I am delighted to know that every one of those hard-earned dollars that I contribute will be INVESTED in the Scholarship Perpetual Trust Fund, so my contribution today can keep on giving, year after year! That makes me feel like my contribution really means something, both now and in the long term!

I have thought it over, and **I know how important 100% participation is to make significant impacts in the lives of aspiring geologists!** So, Kelly, I'M IN FOR 2025, as indicated below.

If I want to add another tax-free donation later in the year, or if I want to pay this donation online, I know that I can visit the Section website at <https://ne-aipg.org> and make a donation at any time.

Professionally yours, _____

At this point in 2025, I am pledging the amount indicated below, and I will provide payment via check, or will pay online at <https://ne-aipg.org/>. I indicated my donation amount and payment method below with an "x" on the appropriate statements:

____ \$35 a Week (\$1820 for 2025)

____ \$35 a Month (\$420 for 2025)

____ \$35 a Year (\$35 for 2025)

____ I pledge to donate the amount of \$_____ (I know that a little bit is better than nothing!)

____ I have physically mailed this letter to you and enclosed my check, made out to "The Angelo Tagliacozzo Memorial Geological Scholarship Trust Fund, Inc."

____ I have emailed you this letter, and I will pay the donation online. If my payment is not received within 30-days of receiving this letter, please invoice me and I will agree to pay as soon as possible, and no later than by 12/1/2025.

Signed: _____

Name Printed: _____

Address: _____

Email Address: _____

Mail this Pledge to: NE/AIPG Geological Scholarship Trust Fund,
c/o Scott Hulseapple 679 Plank Rd, Clifton Park, NY 12065

- or -

Email this Pledge to: NE/AIPG Geological Scholarship Trust Fund,
c/o Kelly Weyer, neaipg.atscholarship2@gmail.com