AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS

Northeast Section NEWSLETTER AUTUMN 2024

As published on 9/9/2024

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Saratoga Springs, NY
November 11-13, 2024

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AIPG Northeast Section Newsletter
AUTUMN 2024 Edition No. 177

Published By the Northeast Section of the American Institute of Professional Geologists

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(As updated 2/6/2024)

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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

2024 EXECUTIVE COMMITTEE MEETING SCHEDULE:

January 9th
March 4th
April 17th — Spring Meeting with HMPGA
July 1st
September 10th
October 11th — Fall Meeting
December 2nd

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

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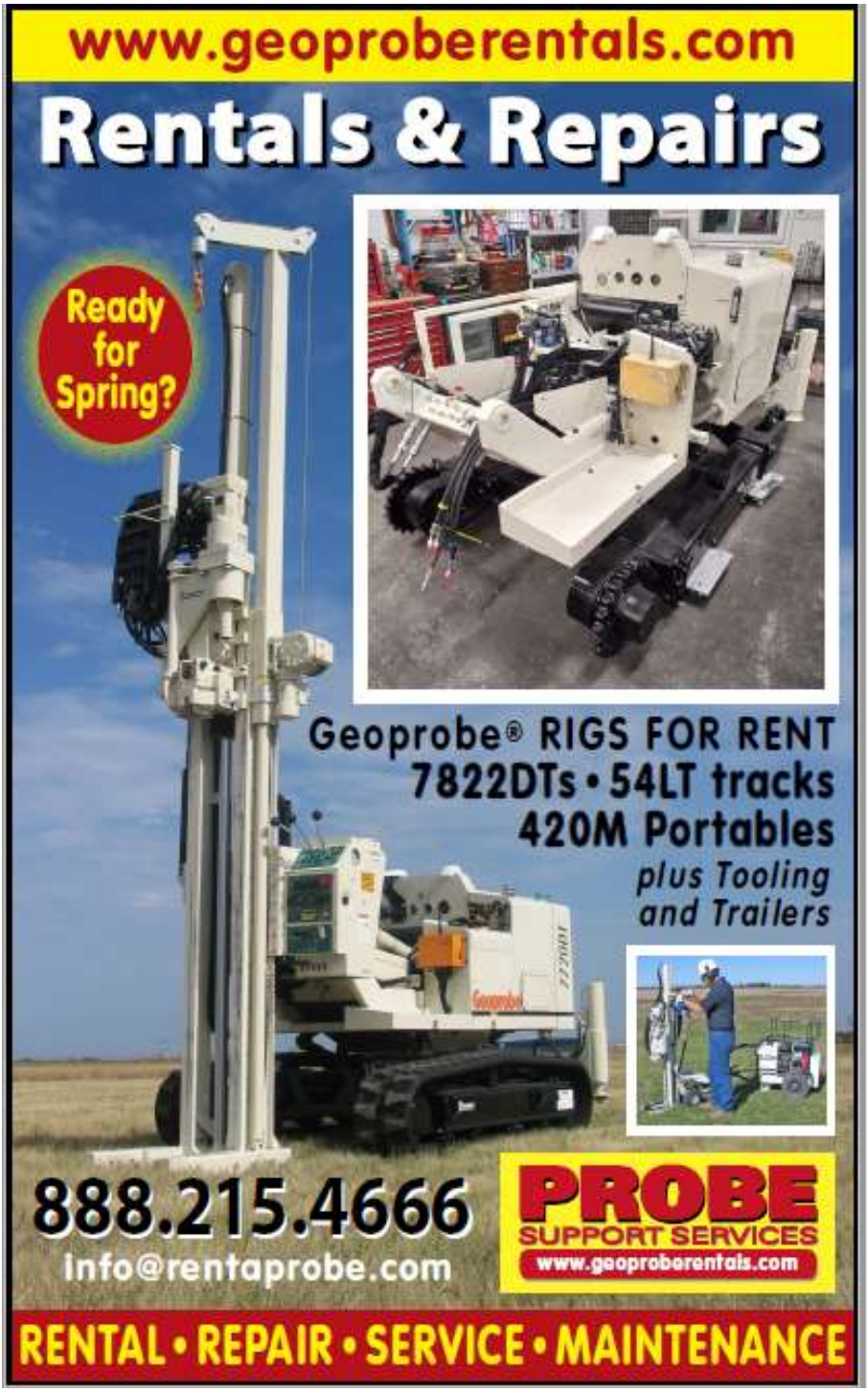
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Presidential Ramblings
AUTUMN 2024

AIPG
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By NE-AIPG President Kelly Weyer, CPG-11826

Greetings Northeast Section and Friends of the Section!

As we move through another season, we can see the summer flora start to slow their march to cover the ground, the mornings are getting chilly while the afternoons are still quite warm, summertime travels and adventures are coming to an end, and most of us are switching gears to prepare for the busy schedules that seem to fill-up too quickly moving toward the end of the year deadlines and holidays.

Summer is still the time that most of us take vacations. This summer, I was able to get to the west coast, and to the National AIPG Meeting in Durango, Colorado. I will give a summary of the National Meeting at the end of these Ramblings. If you have not attended a National

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(Ramblings continued from page 11)

Meeting, you are encouraged to do so. The National Meeting is a great opportunity to meet geologist with a variety of backgrounds and interests from around the country and beyond, and it is a great time to share ideas and interests, and most importantly, there are always great field trips showcasing the local geology. The next National Meeting is a bit closer to the Northeast than Colorado, and will be in Saint Louis, Missouri, in October 2025.

Coming up soon, we hope your calendars are marked to attend NE-AIPG's Fall Meeting on October 11th, 2024, at Dinosaur State Park (DSP) in Rocky Hill, CT, in association with DSP and the Geological Society of CT (GSC). We'll start our event in the late afternoon with a guided tour of DSP, then we will have time to socialize and enjoy food and drinks, before ending the evening with a technical talk in the Auditorium of the Exhibit Center at DSP. We set this event for a Friday, in hopes that members will be able to fit this into their busy schedules. This looks like it should be a great time to checkout DSP and socialize with fellow geologists. We hope to see you there!

Autumn is typically a busy time for NE-AIPG. Besides hosting the Fall Meeting in October, NE-AIPG will vote on Executive Committee Board positions and choose associated committee members before the end of the year. The Angelo Tagliacozzo Memorial Geological Scholarship (ATMGS) 2024-2025 application be available online in mid-September and will close in early-December. Awards will be finalized in Spring of 2025. If you know qualified Junior or Senior Geology students, make sure they know about this opportunity! If you have not donated to the ATMGS trust fund this year, we encourage you to do so, to help support our future Geology Professionals.

Another event to look forward to later in the year is NYSCPG's 3rd Annual Geology Days Conference, in Saratoga Springs, NY, on November 11-13, 2024. Many AIPG members will be in attendance, and NE-AIPG is Sponsoring the two field trips that should be well worth attending.

As pages of the calendar keep flying off, it won't be long until we are gathering thoughts to start planning events for 2025. If you have any ideas for a talk or field trip location, we are happy to hear what you have to say. You can email us at info@ne-aipg.org with suggestions or questions at any time.

And now, back to the summer for a moment. It doesn't seem to matter if a vacation, or time away from a normal work day, is a couple of days,

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a couple of weeks, or even a month long; it doesn't seem to take long before the feelings of being in a new place, and seeing a new horizon, fade into distant past memories. So, before that happens to my travels this summer, I will share a few snippets of my trip to the National AIPG conference in Durango, Colorado.

Serpentinite by the Golden Gate Bridge

Although I'm based in New York, my travels to the National Meeting in Colorado began in California. Since I planned time off from work for the National Meeting, I decided to extend my time off, and add a vacation before the conference. My travels in California were along the coast and slightly inland, from Monterey to San Francisco. If you have not been to that part of the country, it is worth experiencing the coastal micro-climates and rocky shorelines, and the warm hilly interior. Most travels on this trip were road trips, with short hop-out visits. We didn't have much time to hike into the hills, or visit nearby Yosemite National Park, but there's always next time. I was able, however, to get a look at the serpentinite outcrop at the base of the Golden Gate Bridge, and take a selfie with the beach and partially rocky shoreline.

From California, I traveled to Durango for the National Meeting, with a short layover in Denver. The Durango airport was small and easy to navigate. The airport was less than 30 minutes from the hotels around Durango and the National Meeting at Fort Lewis College.

Attendees that flew to the National Meeting either rented cars, or relied on a car service, carpooling, or hotel shuttles to travel around during the conference. AIPG uses a conference app that provides an easy-to-use

(Ramblings continued on page 16)

(Ramblings continued from page 15)

platform to coordinate car-pooling, and for easier networking, planning of meet-ups, sharing photos, and many other helpful options.

On the first day of the National Meeting, two events, the National AIPG Executive Committee (AIPG-ExCom) and Advisory Board meetings and the Student and Early Career Professional Workshop, typically take place concurrently.

The AIPG-ExCom meeting is open to all members. Sections are encouraged to have a representative present for the meeting, and a delegate in attendance for the Advisory Board meeting that takes place after the AIPG-ExCom. The Sections are involved in the Advisory Board meeting, where they give Section reports and have discussions on successes and challenges. Advisory Board members for the following year are elected at, and from the delegates nominated in, this meeting.

The following days of the National Meeting are typically filled with field trips to regional sites, and talks on a variety of topics. Although some field trips overlap with talks and poster sessions, when possible, entire days are dedicated to field trips and to talks. Annual evening events at the National Meeting include trivia night, a silent auction, and the Awards dinner. Hopefully you will consider attending the October 2025 National Meeting in Saint Louis, Missouri!

We hope to see many of you at the Fall Meeting on Friday, October 11th, at Dinosaur State Park, in Rocky Hill, CT!!

Sincerely,

Kelly Weyer
NE-AIPG
President

RIGHT: Autumn at the Deer Lake Creek riffles in Forest Park, St. Louis, Missouri

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LEFT & BELOW:
Views from Durango, CO.

BELOW LEFT & RIGHT:
An icebreaker and a luncheon at the AIPG National Meeting at Fort Lewis College, in Durango, CO.

(End)

NE-AIPG Fall Meeting

Dinosaur State Park

~ *Friday-October 11, 2024* ~

An Evening at Dinosaur State Park, Rocky Hill, CT

Join NE-AIPG's in-person Fall Meeting
at the rocks where dinosaurs left their tracks.

Travel back to the **Jurassic** through our **private guided tour** of the Park, discussing the regional geology and significance of the **world-class dinosaur trackway.**

After the **tour ends**, and the **Park closes to the public**, we head the **Exhibit Center for time to socialize with colleagues** while enjoying an **included** selection of **New Haven Style Pizza** cooked onsite and a **variety beverages**, such as sodas, beers, wines, spiked and non-spiked seltzers.

We end the evening with a **Technical Talk.**

We plan to offer 1 PDH for the talk. The PDH is pending approval by NYSCPG for NY-PG and Design Professionals. Details will be announced soon.

Expected Schedule: **the entire event will take place at Dinosaur State Park.**

3:30PM-4:00PM – Members meet and check in.
4:00PM-5:00PM – Guided Dinosaur State Park Tour, explore the trackway.
5:00PM-7:00PM – Social/Networking with food and drinks in and around the Exhibit Center.
7:00PM-8:00PM – Technical Talk in the Auditorium – Details to be announced soon.

Visit www.ne-aipg.org for more details, and to register!!
Sponsorships are available, and information is on the website.

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CONFERENCE ANNOUNCEMENT

NEW YORK STATE COUNCIL OF PROFESSIONAL GEOLOGISTS PRESENTS:

THE THIRD ANNUAL

GEOLOGY DAYS CONFERENCE

Saratoga Springs, NY
November 11-13, 2024

INTRODUCTION

The New York State Council of Professional Geologists invites you to attend the Third Annual Geology Days Conference.

Join over 300 professionals at the Holiday Inn in Saratoga Springs from November 11-13. Information regarding the specifics of the conference can be found in this Announcement and any future updates can be found on the Geology Days Page of our website www.nyscpg.com.

Approved conference presentations will provide continuing education (PDH) credit for Design Professionals (geologists, engineers, etc.) for New York.

CONFERENCE SCHEDULE

Monday, November 11
2:00 pm-4:00 pm Annual Member Meeting
6:00 pm-8:00 pm Ice Breaker Reception

Tuesday, November 12
7:00 am - 8:00 am Breakfast
8:00 am - 5:00 pm Technical Presentations
5:30 pm - 8:30 pm Optional Dinner Program
8:00 am-12:00 pm Field Trip - Mineral Waters of Saratoga Spring

Wednesday, November 13
7:00 am - 8:00 am Breakfast
8:00 am - 5:00 pm Technical Presentations
8:00 am-12:00 pm Field Trip - Albany Pine Bush

ANNUAL MEMBERSHIP MEETING

Join the NYSCPG Board of Directors for the Annual Membership meeting from 2:00 pm to 4:00 pm on Monday, November 11. Discussions will include the current state of the organization and the profession in New York, where the organization plans on improvements for the near future, and how you can help. Members and potential members are encouraged to attend.

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(Geology Days continued on page 34)

Angelo Tagliacozzo Memorial Geological Scholarship 2023-2024

By Kelly Weyer, CPG-11826
Scholarship Chairperson

The 39th Annual Angelo Tagliacozzo Memorial Geological Scholarship (ATMGS) season is underway!

We are reviewing and editing the online application form, information and instructions, and contact lists for distribution of the 2024-2025 ATMGS Announcements.

The ATMGS Application opens online in September '24, and announcements are sent to colleges and universities located within the eight states of the NE-AIPG region. The online application closes in early December '24. The ATMGS Committee reviews the applications from December '24 to February '25, and recommends awards for consideration and approval by the NE-AIPG Executive Committee and the ATMGS Board of Trustees during the March '24 Executive Committee meeting. We anticipate the Awards will be announced in March-April '25, and recipients will receive Awards in April-May '25.

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 85**, or online through the **NE-AIPG website.**

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(ATMGS continued from page 20)

For more information on the ATMGS, please visit the NE-AIPG's website **https://ne-aipg.org/** and see **Pages 20-22** and **Pages 84-85** in this newsletter. Please contact us with any questions at **neaipg.atscholarship2@gmail.com**.

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

Congratulations, again, to the 2023-2024 Angelo Tagliacozzo Memorial Geological Scholarship (ATMGS) recipients, and a big thank you to all those that support the ATMGS.
We would like to share a few words of appreciation from the 2023-2024 ATMGS recipients.

I am grateful for being chosen to receive this scholarship.

I'd like to thank the ATMGS Committee, the NE-AIPG Board for their generous donation to alleviate the financial burden of my undergraduate education. I graduated cum laude with degrees in B.S. Geological Sciences and B.S. Environmental Science.

Nick Janowski

Thank you so much for this opportunity! All the best, Aiyana Vazquez

Thank you so much for this award! Best, Angela Douglass

Wow thank you very much! I greatly appreciate this award and am honored to have been chosen as one of the recipients.
Sincerely, Matthew James

(ATMGS continued on page 22)

(ATMGS continued from page 21)

Thank you very much for this opportunity!

Dear Members of the Angelo Tagliacozzo Memorial Geological Scholarship Committee and the Northeast Section of the American Institute of Professional Geologists, I wish to express my gratitude for selecting me as a recipient of the Angelo Tagliacozzo Memorial Geological Scholarship. This generous award will significantly ease the financial burden during my studies at the University of Delaware, where I will be studying for my master's in geophysics.

This scholarship is a great honor and a huge help as I pursue my academic and career goals in geosciences. Your support acts not only as a source of financial aid, but also as encouragement that I have selected the correct path.

With this confidence placed in me, I will make the most of this opportunity by working hard towards excellence in my studies and contributing to the geoscience community.

Thank you again for your generosity.

With sincere thanks,
Sean Gilbert

Thank you very much for awarding me this scholarship.
Thank you, Jade Simoneau

Thank you so much. I am honored to receive the scholarship.
Regards, Victoria Castle

(End)

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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

The first half of 2024 has been an active one for NYSCPG. The legislative and governmental relations aspect of NYSCPG gained momentum under Campbell H. Wallace, Esq, a partner at Pastel Rosen & Wallace LLP. Campbell started representing the organization and profession in February and was actively engaged with the Education Department, the other Design Professional organizations, and the Legislature on many items.
A couple of key legislative items that were lobbied for during the 2024 Legislative session were:

- Updating the geology licensing requirements by removing the provision allowing for a substitution of 12 years working experience for a bachelor's degree or higher based on a program in geology. The legislation also changes reference to "intern geologists" to "geologists in training." Finally, a person seeking licensure pursuant to the current 12-year experience ladder is authorized to file an application within 2 years of the effective date of the legislation in order to preserve the ability to qualify for geology licensure based on experience. This update would bring the profession of geology in line with engineering, which removed this pathway a couple of years ago.
- Allowing engineering companies to receive certificates of authority to practice geology. The legislation would permit grandfathered engineering companies that employ at least one officer or director licensed as a professional geologist to practice geology. This bill has been in the Legislature to allow geologists in the grandfathered engineering firms to practice geology in accordance with Education Law.
-

NYSCPG sponsored a webinar on the NYS Application Process, on Wednesday, May 15, presented by Bill Kelly, PG and Eric Greppo, PE. The course was attended by over 200 people and discussed the communication, organization, and expression of experience on the licensure application. We will work with the Board office to present similar courses in the future to assist people looking to obtain licensure.

NYSCPG will be hosting the third annual Geology Days in Saratoga Springs, NY, November 11 - 13, 2024. We are looking forward to another sold-out event, with two days of informative presentations, field trips, and other optional events. Registration for the event is now open and will end on November 1 or when the event sells out. Visit the

(NYSCPG News continued on page 25)

(NYSCPG News continued from page 24)

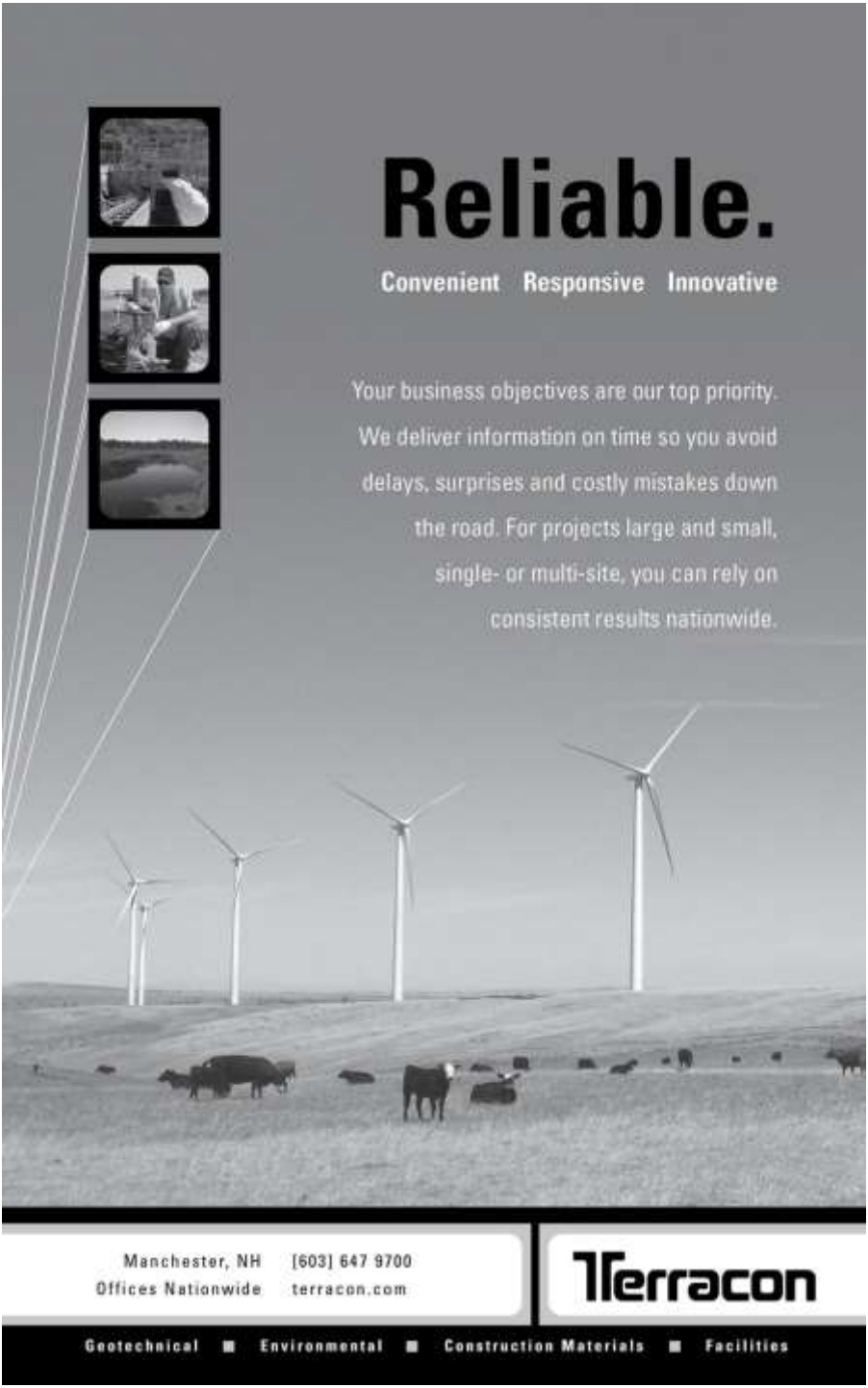
Geology Days page at www.nyscpg.com/Geology-Days-2024. The event will be hosted at the Holiday Inn Saratoga Springs and rooms can be booked at https://www.holidayinn.com/redirect?path=rates&brandCode=HI&localeCode=en&regionCode=1&hotelCode=SGANY&checkInDate=11&checkInMonthYear=102024&checkOutDate=13&checkOutMonthYear=102024&_PMID=99801505&GPC=GEO&cn=no&viewfullsite=true.

We are excited to be teaming again this year with NEAIPG for the field trip portion of the conference. Tuesday's field trip, the "Stratigraphy, Structure, and the Mineral Waters of Saratoga Springs," will include a detailed inspection of the Old Red Spring, a walking tour of the flowing springs within downtown Saratoga Springs and the Saratoga Spa State Park. The trip on Wednesday, "The Albany Pine Bush: Globally-Rare Ecology Built on a Unique Foundation of paraglacial sand dunes," will feature a guided walking tour through the dunes and highlight recent advancements in both cutting edge biodiversity conservation and paraglacial geomorphology.
As always, please reach out to me with any questions or comments via email at jnadeau@nyscpg.com or by phone at 518-579-6580.

Regards,

John M. Nadeau, PG
NYSCPG Executive Director

(End)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A Recent ATMGS Recipient Finishes Her Coastal Resistance Journey with a Thomas J. Watson Fellowship

By Grace Levins, Recent Geoscience Major at Union College & 2023 ATMGS Recipient

Grace Levins, 2022-2023 ATMGS recipient, finished her excursion with the prestigious Thomas J. Watson Fellowship this year. Grace spent the year long journey visiting coastal communities "to study the physical, social and economic impact of sea level rise."
Quote from https://www.union.edu/news/stories/202304/watson-grace-levins-23-study-impact-sea-level-rise

If you missed her previous updates, please go back to the NE-AIPG 2023 Autumn, 2023 Holiday, and 2024 Winter Newsletters. Please enjoy reading Grace's final installment on updates from her Watson Fellowship travels.

"Some people would think after a full year of travel, it's time for a break. Those people are not me. Hopping around the world for twelve months as a Thomas J. Watson Fellow has been one of the most transformative experiences. I am leaving this year with more questions than when I started, and my list of places to return to continues to grow. If I ever needed something to reignite my sense of wonder, this year has certainly done so.

Spending the year learning how coastal communities are adapting to sea level rise has

(Grace Levins continued on page 31)

(Joint Meeting continued from page 30)

also changed my path for the future. Though I began the year with a rather technical perspective, I quickly realized how important the social science side of adaptation is. I have recognized the gap between science and decision-making, and I feel there's a growing need for people working in the middle ground, translating between the two. I would also like to find ways to get the general public into the natural environment so the idea that "if you don't see it, you don't have to care" is not as prevalent with respect to climate change.

After my last update, I headed to Australia. I ended up staying for three months, making it the longest I spent in one country. This was partly due to an internship I held at the Bureau of Meteorology, which opened up countless doors to contacts working in the coastal space in Victoria. I then spent a month traveling up the East Coast and over to the West. I should have kept count of the times I said, "How is this real?" because every turn seemed to lead me to a new, beautiful landscape. I drove along the Great Ocean Road and stopped at places like Great Otway National Park and the Twelve Apostles. I explored the Southwest coast and saw the most vivid blue water I have ever seen. I watched so many sunsets over the ocean - something I hadn't seen before growing up on the East Coast of the US. Visiting Australia had always seemed like a hypothetical, yet there I was, utterly amazed with everything I saw.

As I continued to connect with people in Australia, I realized I had a growing list of recommended contacts for New Zealand, as well. Despite not being in my original travel plans, I shifted my schedule to fit in four weeks on the North Island. The best choice I made in New Zealand was taking a road trip from Auckland down to Wellington.

(Joint Meeting continued on page 32)

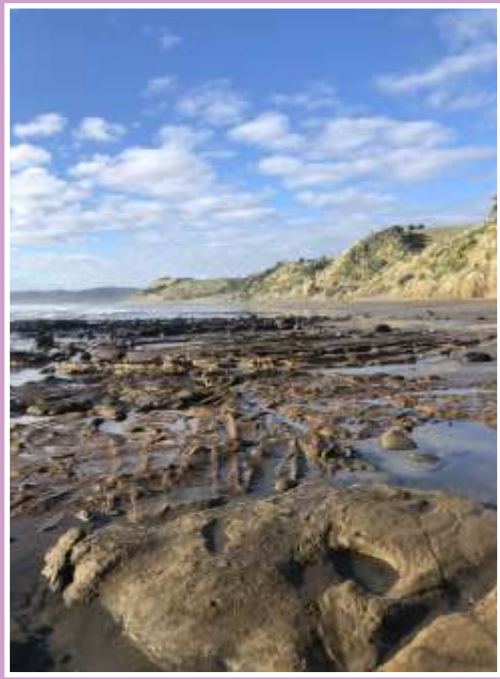
(Grace Levins continued from page 31)

This allowed me to stop in the geothermal wonderland of Rotorua, walk along the black sand beaches in Raglan, and complete the Tongariro Alpine Crossing. I constantly felt like I was on a different planet; no wonder they chose to film The Lord of the Rings there!

The last two months of my year consisted of traveling through the northern half of Germany and the Netherlands. When people ask about my favorite places I've been to this year, I have to include Sylt on the list. Sylt is the northernmost island in Germany and is absolutely stunning. I spent a week roaming the island, living amongst the massive dunes, admiring the iconic thatched roofs, and enjoying the strand orb beach chairs. I found myself back in the dunes once in the Netherlands. The largest of these systems is the Zandmotor, an artificial sand bank constructed using 21.5 million cubic meters of sand. I also visited vast expanses of salt marsh near Yerseke to learn how the marsh is seen as a form of coastal defense.

(Grace Levins continued on page 33)

(Grace Levins continued from page 32)



Humans have long since held a mechanistic worldview and have implemented many strategies to contain nature. Instead, we need to recognize that we are only a part of the system. If we learn to work with natural processes, maybe we can start feeling connected to the world again. As everything continues to change, will we learn to change with it."
-from Grace Levins

(Grace Levins continued on page 44)

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(Geology Days continued from page 19)

CONFERENCE ANNOUNCEMENT

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Field Trip: NE-AIPG

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Room Rate: $145 per night plus tax

Group Discount Code: GEO.

Click here for Hotel Information

ATTENDEE REGISTRATION INFORMATION

Each person attending any part of the technical conference must register for the conference. The registration fee covers the Icebreaker reception, breakfasts, AM/PM breaks, and lunches on Monday and Tuesday.

All attending non-technical spouses and friends must be registered as "guests" for any events.

We recommend registering early, Geology Days 2023 Sold Out in early October! Consider becoming an NYSCPG member to qualify for a lower registration rate.

https://www.nyscpg.com/Join-Us

STUDENT VOLUNTEERS

Contact John Nadeau (jnadeau@nyscpg.org) for more information. Spend time networking while assisting with the conference.

REGISTRATION DATES

June 25th - Early Bird Registration Opens

August 5th - Regular Rate Registration Opens

November 1st - Registration Closes

Registering November 1st- 4th, if space is available, a $75 late fee will apply.

Registration Type	NYSCPG Member	Non-Member	Regulators
Early Bird Registration (June 25 - Aug 4)	$350	$525	$200
Regular Registration (Aug 5 - Nov 1)	$425	$600	$275
Late Registration (Nov 1)	$500	$675	$350

(Geology Days continued on page 35)

(Geology Days continued from page 34)

CONFERENCE ANNOUNCEMENT

TUESDAY DINNER - Co-Hosted with HMPGA

Unglued: The Pleistocene Legacy and Climate Change Future of New York State's Landscape

Andrew Kozlowski, Ph.D., P.G.

New York State Geological Survey

Abstract

New field mapping and subsurface investigations by the New York State Geological Survey support previous suggestions that New York State was glaciated multiple times during the Pleistocene. If the climate record preserved in the Greenland Ice Cores and in benthic organisms from marine deposits are comparable, New York State may have experienced as many as 20 glaciations. The erosion and deposition of repeated continental glaciers profoundly impacted the landscape of New York State. The relic glacial landforms in New York and elsewhere in the Great Lakes region archive the geologic processes during a much colder climate. However, prior to the landscape transformation during the Pleistocene the interaction of geologic structure and erosional processes developed drainage patterns on bedrock during the Paleogene and Neogene periods, building a unique physiography of questas and escarpments. Numerous large valley systems encouraged the direction of ice flow during glacial periods until ice sheets thickened and overrode the landscape. Expansive proglacial lakes developed before, during and after glaciation as meltwater became impounded by isostatic depression or ice-dams.

Fine-grained sediments deposited in former glacial lake basins can be extensive and exceed 122 meters in thickness. Laminated and rhythmic bedded silt-clay deposits typically have low shear strengths and are commonly prone to failure. At the end of the last glaciation as glaciers retreated and lakes drained, changes in base level resulted in the initiation of modern stream systems. Incision of streams responding to new base levels at onset of Holocene driven by meteoric waters likely triggered a period of active mass-wasting and landslide activity. However, that landscape eventually established a new equilibrium with Holocene climate and stream systems and hillsides stabilized.

Yet, the past few decades provide clues that perhaps a new climate-equilibrium is underway. More frequent and intense precipitation events strongly suggest that change from a warming climate will result in new landscape adjustments in the coming decades including increased landslides and slope-failures. The stabilized landscape of the Holocene that society has built over will adjust, creating extensive challenges to communities and infrastructure. Professional geologists will play an essential role to map hazard prone areas, educate the public, mitigate slope-failures, and help engineer solutions to a landscape that readjusts to a new climate reality.

Time: Social Hour	5:30 pm	Cost: Member	$50
Dinner at	6:30 pm	Non-Member	$60
Presentation	7:30 pm	Cost includes open bar, dinner and PDH credit	

Presentation will be worth 1 PDH credit.

More information can be found at www.NYSCPG.com/Geology-Days-2024

(Geology Days continued on page 38)

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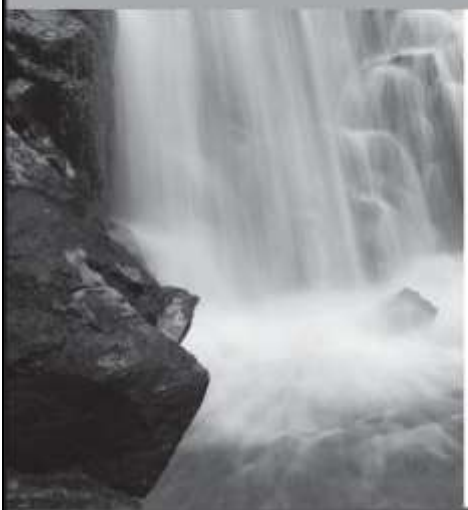

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(Geology Days continued from page 35)

CONFERENCE ANNOUNCEMENT

FIELD TRIPS - Co-Hosted by NE-AIPG

Tuesday Field Trip
Stratigraphy, Structure, and the Mineral Waters of Saratoga Springs

Crystalline basement rocks of the Adirondacks are exposed in the northwestern part of the Saratoga Springs region. Overlying an early Cambrian unconformity are clastic rocks of the Potsdam and Theresa (Galway) Formations. These are overlain by late Cambrian and Ordovician limestones and dolomites of the Beekmantown Group, thought to be the principal aquifer rock for the mineral spring waters.

The aquifer rocks that hold the deep, carbonated spring water are from the Middle Ordovician Beekmantown Group limestones and dolomites. These rocks crop out along the southeastern margin of the Adirondack foothills and are between 100 and 650 feet below the surface in Saratoga Springs as indicated by review of published reports, deepening to the south-southwest along the trace of the Saratoga Springs-McGregor fault.

A review of historical well records indicates mineral water springs flow to the north and only within 200 feet of the mapped fault. Further, no Saratoga-type mineral springs were found west of the subject fault (Putman, 1978 and Putman and Young, 1985). These observations, combined with the possible southern extent of the fault system being buried by Silurian and Devonian sedimentary cover, suggests a southerly source of the mineral waters. The field trip will be led by Mark Williams, P.G. and Mr. Derek Ersbak, P.G. will provide a detailed overview of the Old Red Spring, a walking tour of the flowing springs within downtown Saratoga Springs and the Saratoga Spa State Park.

Date: November 12, 2024
Time: Depart 8:00 am
Return 12:00 pm

Credits: 4 PDHs expected
Cost: $25 to cover transportation

Wednesday Field Trip
The Albany Pine Bush: Globally-rare ecology built on a unique foundation of paraglacial sand dunes

The Albany Pine Bush Preserve and National Natural Landmark sits on one of the most extensive inland sand dune fields in the eastern USA. This dune field provides the foundation for the fire and frost dynamics that drive what is now one of the best remaining examples of an inland Pitch Pine-Scrub Oak barrens (PPSOB S1/G2). This globally-rare ecology in turn provides habitat for 114 rare animals including more than 70 NYS wildlife Species of Greatest need. Since 1991 management focused on reducing wildfire risk and improving ecosystem health (composition, structure, function) by restoring altered fire regimes and recovering the endangered Karner Blue (Plebejus melissa samuelis) has proven successful. An international team of geologists are currently working to refine our understanding of the origins of the dunes. The field trip will feature a guided walk through the dunes with Neil Gifford, Conservation Director for the Albany Pine Bush Preserve Commission, and highlight recent advancements in both cutting edge biodiversity conservation and paraglacial geomorphology.

Date: November 13, 2024
Time: Depart 8:00 am
Return 12:00 pm

Credits: 4 PDHs expected
Cost: $25 to cover transportation

(Geology Days continued on page 42)

AIPG's Mentoring Program

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

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For more details, visit
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AIPG's Career Center

Did you know AIPG has a Career Center?

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For more information, check their website at:
https://aipg-jobs.careerwebsite.com/.

(End)

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(Geology Days continued from page 38)

CONFERENCE ANNOUNCEMENT

PRESENTER LIST

Presenter Name	Organization	Title
Frederick Stumm Ph.D., P.G.	U.S. Geological Survey	Updated Hydrogeologic Framework of Kings, Queens, and Nassau Counties, Long Island, NY
Andrew Clift, Ph.D., P.G.	NYS Geologic Survey	A Comprehensive Guide to New York's Subsurface Data through ESOGIS
Anthony Bollasina, P.G.	NYSDEC	NYS Efforts in Identifying PFAS in the Environment with Case Studies, Emphasis on Source Sites vs non Source Sites with Potential for Septic and Domestic Wastewater/Background Levels
Christopher Kelson, Ph.D., P.G.	Atlantic Testing Laboratories	Pyrite and Pyrrhotite in Shale, Fill Material, and Aggregate - A Potential Geotechnical Concern
Daniel Kelleher	Midwest GeoSciences	Implications to Groundwater Movement and Vertical Seepage Calculations Based on the discovery of a New Pre-Wisconsin Sedimentary Sequence in the Upper Midwest
David Brogan, MS, P.E.	GeoStabilization International	Geotechnical Asset Management and Maintenance
Elliot Maker	REGENESIS	PFAS Source Area Treatment
Elliot Maker	REGENESIS	Passive VI Mitigation: Key Aspects for Design and Installation
Eric Greppo, P.E. and Others	NYSED	Panel: The Regulated Practice of Geology in New York State
Evan W. Filion	ARM Group LLC	Taking the Unknowns out of Complex Geology with Surface and Borehole Geophysics
Karen A. Cahill	NYSDEC	Part 375 Update
Guy Swenson, P.G.	Ramboll	Site Characterization: What Are We Sampling?
James Walden, P.G.	Wisconsin Department of Natural Resources	Investigation of the Conduit Vapor Intrusion Pathway
Jim Ridenour, P.G.	NYSDOH	Using Logratio Transformation, Mahalanobis Distance Evaluation, Descriptive Soil Properties and Land Use Information to Distinguish Representative Cases in Multipart Concentration Space
John Nadeau, P.G.	NYSCPG	A Common Sense Guide to Business Practices in New York (Ethics)

(Geology Days continued on page 43)

(Geology Days continued from page 42)

CONFERENCE ANNOUNCEMENT

PRESENTER LIST

Presenter Name	Organization	Title
Jonathan Kim, Ph.D., P.G.	VTDEC, Vermont Geologic Survey	Chemical Characterization of the PFAS-Contaminated Fractured Rock Aquifer (FRA) Beneath the Rutland-Southern Vermont Regional Airport
Josh Gowan	Alpha Geological Services, DPC	A Fractured Bedrock Aquifer Hydrogeologic Model Based on First Principals is Supported by Borehole Geophysics and Hydraulic Conductivity Testing
Josh Sandberg, P.G.	Sandberg Consulting, Inc	Well Plugging & Abandonment Challenges in New York State
Karl Backhaus	NYS Geological Survey	Geologic Mapping by the NYSGS: History, Modern Processes, and the Future
Lindsay Boone	Pace Labs	PFAS (POLYFLOROALKYL SUBSTANCES) Method Options for Environmental Professionals - Pros and Cons
Mark Domaracki, P.G.	NYSDEC	Green and Sustainable Remediation: Expectations at DER Sites
Mary Gilstrap	IOGANY	State and Federal Guidelines and Petroleum (Oil and Gas Resources)
Matthew Dupee, P.G.	Alpha Geological Services, DPC	Root Cause Analysis and Associated Environmental Impacts of the Retsof Mine Collapse, Livingston County, New York
Michael Brophy	Amplified Geochemical Imaging, LLC	Passive Gas Sampling Technology for Environmental Applications
Michael Hecker, Esq.	Hodgson Russ, LLP	Part 375 Updates
Nicholas Valkenburg, P.G.	Valkenburg Professional Geologist, PLLC	Emerging Contaminants in Groundwater
Paul Griggs, P.G.	Griggs-Lang Consulting Geologists, P.C.	A Snapshot on the State of Mining in New York State and the Role of Geologists in the Mining Industry
Paul R. Pickering	Aeroqual Ltd	How Advanced Community Air Monitoring Approaches Support Complex Brownfield Cleanup Programs
Steven M. Scharf, P.E.	NYSDEC	Love Canal: Before, Then, and Now
Thomas Festa, P.G.	NYSDOT	NYSDOT Materials Method 29 - Aggregate Source Qualifications Procedures for NYS Public Works Projects

(End)

(Grace Levins continued from page 33)

Grace (on the left) and some of the many places she has traveled this year.

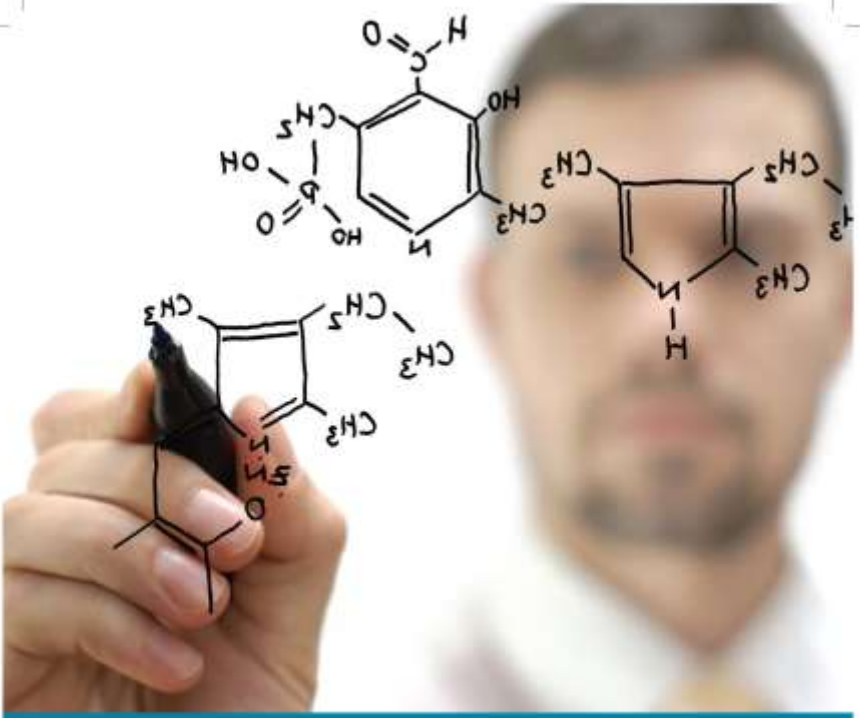
(Grace Levins continued on page 45)

(Grace Levins continued from page 44)

Next up for Grace is moving to Ireland to pursue an MSc in the Coastal and Marine Environments program at the University of Galway, as Grace was a recipient of the Government of Ireland International Education Scholarship. After that, a PhD is likely in the cards, but after the experience of traveling for so long with the Watson Fellowship, she is going to see where here interests focus over the next phase of her early career.

Thank you for sharing this inspiring and unique experience with all our readers, Grace!

(End)



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From The Editor's Desk

The beginning of autumn reminds me of school, the leaves falling, cooler weather, and dinosaurs—yes, dinosaurs. My brother was always obsessed with dinos since he was a young child and saw *The Land Before Time.* My mom would buy him a new T-Rex shirt every school year, so most first day of school photographs have him in a dino shirt.

As I was researching some current news to add to our Autumn Newsletter, I discovered two articles about recent dinosaur fossil finds, and I knew I had to include them (see Pages 49 and 52).

I hope you find the articles interesting and do not mind a little nostalgia from a woman with multiple English degrees, as most of my geology knowledge is from editing reports at Roux. Thank you for your patience! Enjoy autumn! ~Kim

(End)

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!

20,000-Year-Old Columbian Mammoth Bones Discovered in Texas

Smithsonian Magazine August 28, 2024 By Sarah Kuta

Sabrina Solomon was fishing with a friend in Central Texas earlier this summer when she stumbled upon the remains of a 20,000-year-old mammoth—literally.

"I was walking up that hill with all the clay, it was really wet and slippery and I ended up falling, coming face to face with the specimen," Solomon tells KWTX's Isabella Quintanilla.

When Solomon took a closer look at the object sticking out of the ground, she realized it probably wasn't an ordinary rock—it looked more like a spine. So, she got in touch with local authorities, who contacted experts at Tarleton State University.

Kris Juntunen, a geoscientist at the university, traveled to the site and saw four to five inches of tusk protruding from the dirt. He recruited students, as well as staff from the Waco Mammoth National Monument and the U.S. Army Corps of Engineers, to help excavate the remains.

Not long after the group started digging, they found additional fossils: part of what is likely a skull, spine bones and part of an arm bone. They determined the bones belonged to a 40-year-old male Columbian mammoth, a large, extinct creature that once roamed North America during the Pleistocene (2.6 million to 11,700 years ago).

Once all of the remains are safely removed, they'll be transported to Tarleton State for further study and preservation.

Columbian mammoths were larger and less hairy than woolly mammoths.

Picture from: Florilegius / Universal Images Group via Getty Images

(Mammoth continued from page 49)

The exact location of the dig site is being kept secret to prevent tampering. Two of the mammoth's teeth were removed from the site just before the team started excavating. But they were later returned to the Bosque County Sheriff's Office.
Columbian mammoths (Mammuthus columbi) lived throughout the continent, possibly meandering as far south as Costa Rica. They stood up to 13 feet tall at the shoulders and weighed up to 20,000 pounds. Columbian mammoths were larger than woolly mammoths, and they were mostly hairless.

For years, paleontologists theorized that Columbian mammoth evolved before woolly mammoths. But, in 2021, a team studied DNA from mammoth molars that were 700,000, 1.1 million and 1.2 million years old. The analysis showed that Columbian mammoths were a hybrid species—a cross between woolly mammoths and another, unknown mammoth lineage.

Columbian mammoths, woolly mammoths and mastodons began disappearing toward the end of the last Ice Age, with the last known surviving group dying on Wrangel Island off the Arcrtic coast or modern-day Russia some 6,000 years ago. Their modern descendants—African and Asian elephants—live on today.

Many Columbian mammoth fossils have been unearthed in Central Texas. In 2015, the Obama administration established Waco Mammoth National Monument, a five-acre swath between the Bosque and Brazos rivers. The national monument protects the first and only known evidence of a nursery herd of Columbian mammoths, a group of at least six adult females and ten juveniles. The animals all died in a single, catastrophic event—possibly, a flash flood or a mudslide.

In addition to Texas, Columbian mammoth fossils have been found in Nevada, California, Florida, Minnesota, Washington, South Dakota and other states.

"It's so hard to imagine them walking through your backyard, so every time we find one in your backyard, it kind of triggers the imagination," Lindsey Yann, the paleontologist at Waco Mammoth National Monument, tells KWTX. "And even a small find like this and the other finds in this area, they really tell us about the paleontological history of this area."

(End)

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Brazilian Scientists Race to Recover Fossils Unearthed by Record Floods

September 3, 2024 Yale Environment 360

Scientists in Brazil are racing to gather fossils uncovered by recent heavy floods before they are destroyed.

In May, record flooding washed away soil in parts of southern Brazil, revealing the remnants of at least 35 ancient creatures. Among them was a 233-million-year-old dinosaur skeleton, possibly the oldest ever discovered, belonging to the two-legged predator *Gnathovorax cabreirai.*

But the thrill of such finds has been tempered by the growing urgency to recover fossils before they are lost. Fossil can disintegrate in water, which is abundant in the wake of floods. Four of 29 fossil sites are still flooded, while others have been battered by summer rainfall, *Nature* reports.

The tiniest bones are of greatest concern, as they are the most likely to crumble in water or to be washed away by rain. And such bones, whether they belong to creatures big or small, are a vital record of prehistoric life. For instance, ear bones, which can measure just a fraction of an inch, reveal a great deal about the intelligence of ancient creatures.

Speaking with *Nature*, Leonardo Kerber of the Federal University of Santa Maria said, "If paleontologists are not there to collect material when it starts showing, we risk losing some of it forever."

A Gnathovorax cabreirai bone uncovered by flooding in São João do Polêsine, Brazil.

Picture by Rodrigo Temp Müller / Cappa / UFSM

(End)

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(NOM continued on page 63)

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May 2024 MEETING MINUTES NE SECTION – AIPG EXECUTIVE COMMITTEE MEETING

May 6, 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	Cheryl Neary	Mitchell Ward*	Martin Derby

Called to order at 4:04 pm

Welcome Statements and Announcements

- President Elect 2024 Position Open.

Secretary's Report (Minutes):

- Secretary presented March ExCom minutes, with no additional comment.
- Vote - Discussed March ExCom Minutes
- Suggested a correction to the spelling of "Board of Trustees;" suggestion was agreed upon.
- Laurie Scheuing made motion to approve minutes once revised. Michael Grifasi seconded the motion. Vote to approve minutes once revised passed.

Treasurer's Report

- Treasurer presented March and April Section and Angelo Fund financial reports.
  - Chase checking account remains above the minimum balance necessary to avoid fees.
  - We are relatively low on assets as we await dues from National. No indication of when we will expect dues from National. They used to provide them in March.
  - Vanguard fund has decreased in value from last month but is still above value from pre-scholarship sales.
- Treasurer's Comments
  - All checks for scholarships are prepared to be sent on 5/7.
  - Anticipated net gain from Geology Field Day event. Quantity not confirmed yet.
- Ongoing items: File new NJ agent and physical address for ATMGS in 2024; Decision on cancelling Hostway in 2024; Consider opening Venmo or online payment to facilitate payments.
  - Jeff Frederick agreed to be the new NJ agent, but not yet set up.
  - Scott Hulseapple contacted the current web host to confirm that they handle everything (including domain name, domain name posting, and web posting), and therefore, we don't need to retain Hostway.

(Minutes continued on page 58)

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(Minutes continued from page 56)

Reports from Committees

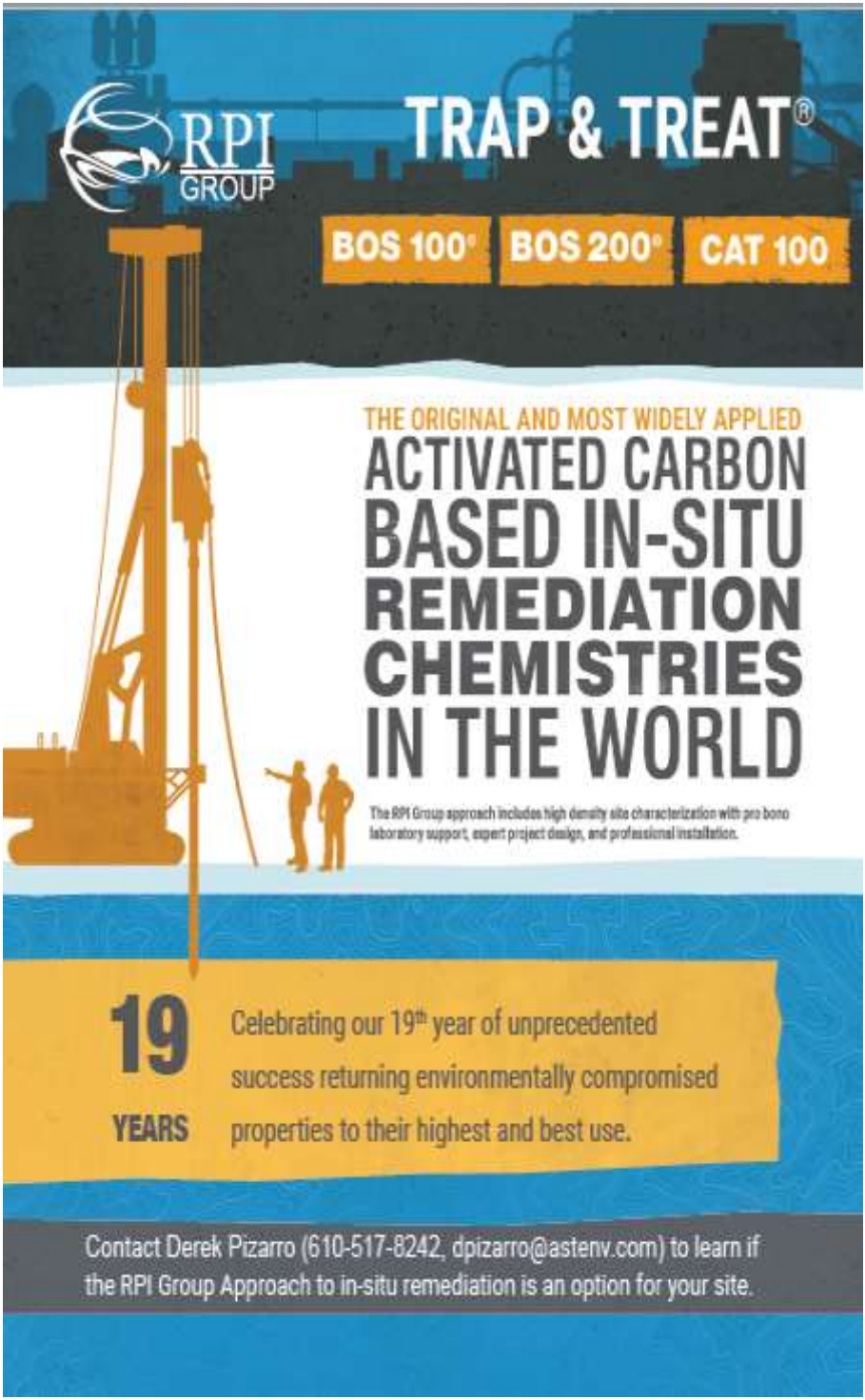
- Scholarship: Committee Chair gives update.
  - Committee Chair contacted all applicants informing them about the results .
  - Seeking committee members to review applications next year.
  - Discussion: Consider capping number of applicants.
- Publications
  - Content for 2024 Autumn (Sept) Newsletter – July 19 deadline for content to Editor.
  - Spring Newsletter not yet complete. Anticipated May 15th. Need additional content from executive committee.
  - Updated directory expected May 8th.
  - Update on Advertising Sales & Income.
  - Ongoing items - Consider ISSUU subscription for viewing and archiving newsletters.
- Meetings/Webinars/Events Committee
  - 3/12 – email vote was approved to provide $50 travel assistance to students travel to the meetings in groups of 5 or more .
    - Assistance distributed to one group. One qualified group declined to accept the assistance.
    - Michael Grifasi distributed the assistance and will be reimbursed by CNYAPG.
  - 2024 Spring/Fall Meetings
    - Report - 4/17/24 Wednesday – Field Trip, Spring Meeting and Student Expo w/HMPGA.
    - Report - 4/26/24 Friday - Geology Field Days w/CNYAPG, Syracuse, NY.
  - Upcoming Events
    - 10/11/24, tentative - Friday - Fall in-person Meeting, Connecticut

      → Consider rescheduling meeting to 10/4/24 or a Wednesday due to long weekend 10/12-10/14.
    - PDH Webinars – Update on 2024 schedule and presenters, w/PDH $25/$30, no PDH $20/$25.

      → Michael Grifasi to follow up with potential presenter

      → Looking into other presenters to provide an opportunity in the fall or winter
    - Planning field trips for NYSCPG Geology Days, Tuesday November 12th and November 13th
    - Ongoing items - Consider gift for presenters

(Continued on page 60)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(Minutes continued from page 58)

- Nominating Committee — ExCom and Committees
  - Need to fill/extend Northeast Section ExCom positions for 2025.
    - President, President-Elect (VP), Secretary, Treasurer, 3 At-Large Positions.
    - Target date for nomination deadline – July 1, 2024.
  - Section Screening Committee – need volunteers to review applications.
    - Charles Rich is the current Chair and can continue temporarily.
  - Scholarship Committee, and other committees need members.
- Student Outreach/Mentoring/Student Chapters
  - Need to contact previous chapters to determine interest.
  - Dormant Student Chapters listed on AIPG website, consider contact or updating info.
    - City University of New York at Brooklyn College, Brooklyn, New York
      Founded in 2018
      Chapter Sponsor: Jennifer Rhee (nee Becker), MEM;
      Faculty Sponsor: Matthew Grab
    - New Paltz State University of New York, New Paltz, New York
      Founded in 2017
      Chapter Sponsors: Christopher Brown, CPG, and Gordon Magenheim, CPG;
      Faculty Sponsor: Dr. Shafiul Chowdhury
    - SUNY Geneseo, Geneseo, New York
      Founded in 2015
      Chapter Sponsor: Dennis McGrath, CPG;
      Faculty Sponsor: Nicholas Warner
  - Possible collaboration with regional geology organizations for campus visits.

Correspondence

- A student asked about potential of retaining student membership status during gap-years between degrees.

Old Business and New Business

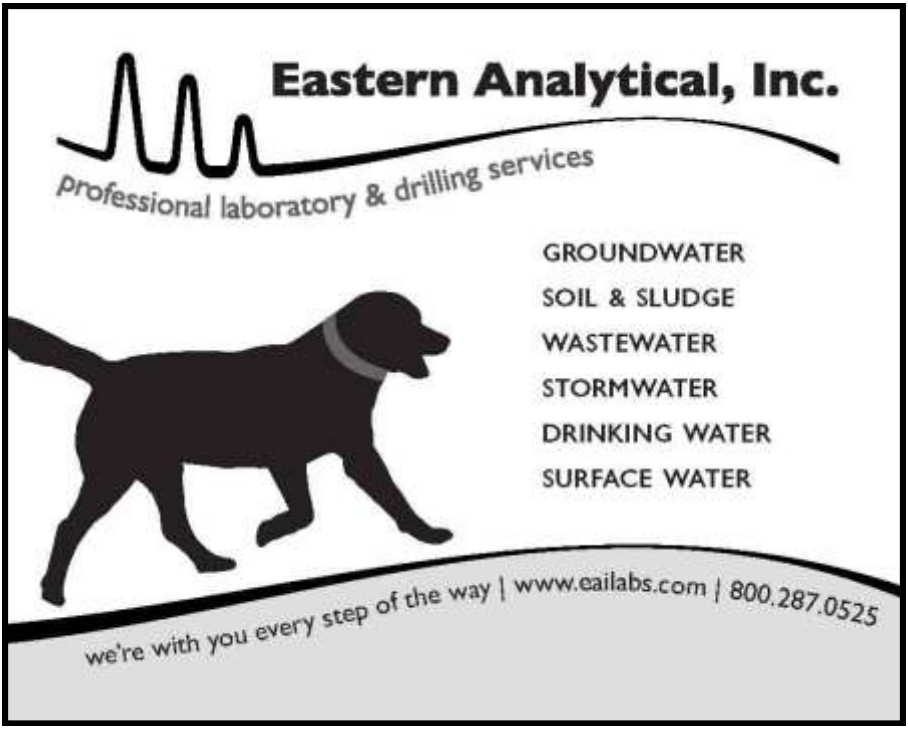
- Website is being updated.
- Will need to consider succession planning for NE-AIPG publications and advertising.
- Consider defining responsibilities of Executive committee and board member positions beyond bylaws.

Closing Statements and Final Thoughts

- October meeting date.
- Look for executive committee members .
- Next ExCom meeting – Tuesday 7/9, 4-6pm, Zoom.

Meeting adjourned at 5:21 pm.

(End)



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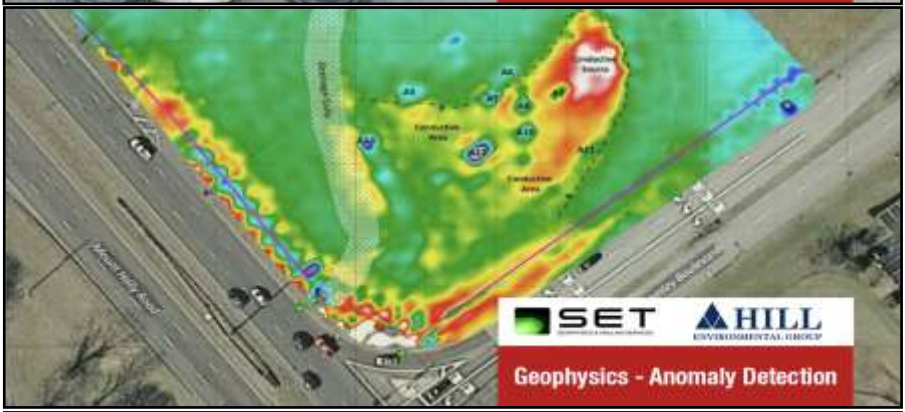
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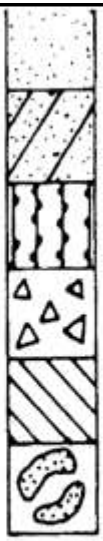

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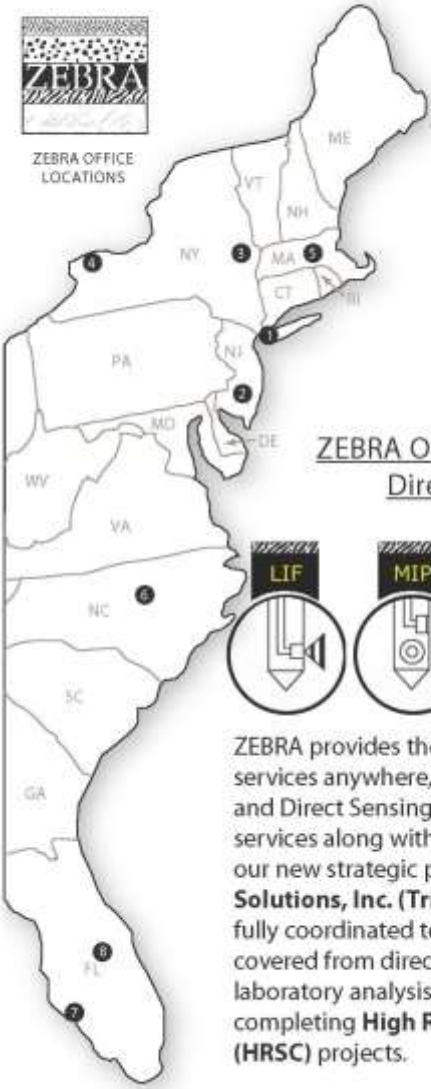

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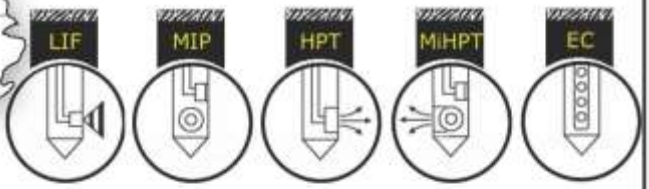

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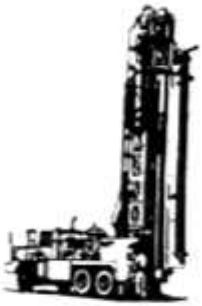

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(DSP continued from page 18)

~ Northeast Section ~

WHERE:

Dinosaur State Park

Dinosaur State Park (DSP)
400 West Street, Rocky Hill, CT 06067

WHAT: NE-AIPG Fall Meeting - An Evening at Dinosaur State Park – *After-hours tour of DSP, socializing in the Exhibit Center while enjoying New Haven Pizza cooked onsite and an assortment of beverages, and ending the evening with a technical talk.*

SPONSORSHIP OPPORTUNITY

NORTHEAST-AIPG ~Fall Meeting~

WHEN: Friday, October 11th, 2024 – 4PM TO 8PM

SPONSORSHIP OPPORTUNITY
NORTHEAST SECTION OF THE AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS (NE-AIPG)
Fall Meeting - Friday, October 11th, 2024
An Evening at Dinosaur State Park, Rocky Hill, CT

Sponsorship Registration - *Due by Friday, October 4th, 2024*
Check https://ne-aipg.org/ for more event details.

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  - ✓ Acknowledgement at the meeting and in the NE-AIPG's quarterly newsletter.

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  - ✓ Acknowledgement at the meeting and in the NE-AIPG's quarterly newsletter.
  - ✓ Company introduction at the meeting. This is not intended to be a full company presentation, but rather a few minutes will be allowed for a representative to give a brief introduction to the company and services. Meeting attendance is not required for this Sponsorship. If preferred, NE-AIPG could read a few sentences about the company, if provided in advance.

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NE-AIPG 2024 PUBLICATION SCHEDULE

Winter Newsletter

January	8	Deadline (Material to Editor)
January	19	Content to Publisher
February	5	E-mail to Members

Directory of Members

February	5	Deadline (Material to Editor)
March	8	Content to Publisher
April	8	E-mail to Members

Spring Newsletter

March	15	Deadline (Material to Editor)
April	1	Content to Publisher
April	15	E-mail to Members

Autumn Newsletter

July	19	Deadline (Material to Editor)
August	9	Content to Publisher
September	3	E-mail to Members

Holiday Newsletter

October	4	Deadline (Material to Editor)
October	18	Content to Publisher
November	4	E-mail to Members

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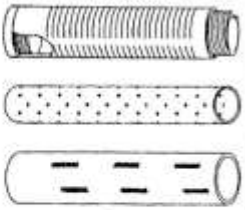

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The Angelo Tagliacozzo Memorial Geological Scholarship was established by the Northeast Section of the American Institute of Professional Geologists in late 1986. The first Scholarships were presented to undergraduate Geology students in 1987.

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:

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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).

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For further information, contact Kelly Weyer:

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Memorandum

To: Kelly Weyer, Chairperson, ATMG Scholarship, Northeast Section, AIPG
From:
Date:
Re: ***I'm Taking the Pledge: I'M IN FOR 2024!***

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 2024!

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 2024!**

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 2024**, 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 2024,** 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 2024, 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:

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_____ $35 a Year ($35 for 2024)
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