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Northeast Section **NEWSLETTER** *Holidays 2020*

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AIPG NORTHEAST SECTION NEWSLETTER

HOLIDAYS 2020 EDITION No. 162

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

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

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2020 EXECUTIVE COMMITTEE MEETING SCHEDULE:

January 6th

March 9th

May 15th

July 13th

September 14th

October 14th (Fall Meeting)

December 7th

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

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Presidential Ramblings HOLIDAYS 2020

Greetings Northeast Section, I hope everyone is managing to stay healthy as we roll into what appears to be a major COVID spike. I know a lot of us were counting on that vaccine coming out before the election, but it appears we've been duped yet again!

This is going to be my last rambling, as my term as Section President is coming to a close! At this point, I've spent almost six years on the ExCom, two as Secretary, two as President-Elect, and nearly two as President. That doesn't even come close to some of the other folks on the ExCom; although, it does represent almost

(Ramblings continued on page 20)



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Oceanic Changes Correlate with Methane Seepage

Written by Hannah Thomasy for Eos.org

June 8, 2020

Changes in sea level and organic carbon burial may have affected seafloor methane seepage over the past 150 million years.

All over the planet, cold seeps in the ocean floor are quietly bubbling away, releasing vast quantities of methane. This methane can have significant implications for both local ecosystems and the world as a whole, as methane is a potent greenhouse gas.

Despite its importance, there's still a lot that scientists don't know about seafloor methane seepage and how it has changed over time.

"Trying to understand how much methane is released from the seafloor is extremely difficult, even in [the] present day," said Davide Oppo, a geoscientist at the University of Louisiana at Lafayette. It's notoriously difficult to study deep-ocean processes, especially those that are taking place at many different locations simultaneously. Given how challenging it is to study methane seepage now, how could scientists even begin to study it in the distant past?

Scientists found that changes in sea level and organic carbon burial were closely associated with changes in methane-derived carbonate. Although it's impossible to directly measure this ancient methane seepage, Oppo and his colleagues have used a clever proxy called methane-derived carbonate to assess seafloor methane release over the past 150 million years. Their research was published in Scientific Reports earlier this year.

As methane rises up through the sediment of the seafloor, some of it gets oxidized by microorganisms. Methane-derived carbonates are a by-product of this process and can stick around for a very long time. Therefore, determining how much of these

(Article continued on page 13)



Carbonate-containing rocks litter the Secchia River methane-derived carbonate field in northern Italy.

Photo credit: Davide Oppo

methane-derived carbonates is present in the sedimentary record provides scientists with clues about historical methane seepage.

The research team compiled a database of rock records of methane-derived carbonate. By comparing how the amount of methane-derived carbonate and certain ocean characteristics changed over time, scientists could see whether there were any associations between carbonates and such characteristics as seawater sulfate concentration, sea level, deep-sea temperature, sediment flux, and organic carbon burial. These could indicate which characteristics affected seafloor methane seepage.

Scientists found that changes in sea level and organic carbon burial were closely associated with changes in methane-derived carbonate, suggesting that these may be important controllers of oceanic methane seepage.

Why Study Methane?

Historically, methane has been relatively overlooked. “When I started [working in this field], methane was just considered a minor gas,” said Paul Johnson, a professor of oceanography at the University of Washington who was not involved in the new study. “It wasn’t thought to play a big role in the environment at all, biologically or ecologically or in terms of climate change.”

Figuring out how much methane is released from the seafloor and what happens to it afterward is important for our overall understanding of the global carbon cycle. Since then, however, said Johnson, “people are continually finding that methane is more and more important to the environment.” In fact, there are several different geological and biological roles that methane can play.

For example, scientists now know that methane is a major contributor to climate change: In the geological short term (in the first century after its release), methane is dozens of times more potent as a greenhouse gas than carbon dioxide.

Because methane contains carbon (its chemical formula is CH₄), figuring out how much methane is released from the seafloor and what happens to it afterward is important for our overall understanding of the global carbon cycle.

On a smaller scale, understanding seafloor methane seepage is important for local geology and ecology. Oppo said that methane seepage can be associated with ocean floor instability, which could potentially affect marine infrastructure.

Oppo also said that certain chemosynthetic organisms can use methane as an energy source, so places where methane seeps out of the seafloor may be home to distinctive communities of microbes and animals.

What Comes Next?

Although these results don’t necessarily predict how seafloor methane release will change in the future, Oppo said that knowing which factors affect methane release is an essential first step toward building predictive models.

Furthermore, there are still many unanswered questions regarding oceanic methane. For example, Oppo said there is still no consensus on how much of the methane that gets released at the seafloor actually makes it to the sea surface. It will be important to figure this out if we want to understand the impacts of seafloor methane seepage on the global carbon cycle and on climate change.

Thomasy, H. (2020), Oceanic changes correlate with methane seepage, *Eos*, 101, <https://doi.org/10.1029/2020EO145301>. Published on 08 June 2020

(End)



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AIPG Members Free Webinars on Environmental Geology

The AIPG Kentucky Section is hosting four free webinars on environmental geology with AST Environmental, Inc. and Remediation Products, Inc.

November 19 , 2020: Drilling down on the Trap and Treat Approach Part 2 – Petroleum Hydrocarbons Remediation

This is the third installment in that series, and it focuses on activated carbon (AC)-based in situ remediation of petroleum hydrocarbons and related oils and solvents. Food-grade AC inoculated with a specific microbial consortium (plus electron acceptors and nutrients) can expedite remediation of dissolved/sorbed mass and reduce or eliminate LNAPL. This technology functions irrespective of high salinity or TDS. This training will introduce AC-based technologies that have been utilized for projects in many states and internationally. This class of technologies is increasingly popular for overburden and bedrock applications, yet design and application of these technologies remain unfamiliar to audiences everywhere, due to their physical properties (slurry). AC for degradation of petroleum hydrocarbons, LNAPL, fuel oxygenates, alcohols, glycols, and cyclic ethers has grown tremendously worldwide in the past few years. This talk describes the coupling of AC and biological degradation mechanisms to create a synergistic effect that rapidly degrades mass, controls plumes, and does not produce harmful byproducts or create subsurface compatibility concerns (e.g. utilities, building footers).

<https://attendee.gotowebinar.com/register/1125073484530814736>

(Webinars continued on page 17)

December 3, 2020: Working Smarter, Not Harder, to Characterize Fractured Bedrock

This is the fourth installment in that series, and it focuses on fractured bedrock remedial design characterization (RDC), which is quite different from overburden RDC processes. We will consider the use of geophysics (surficial and borehole) to select injection well locations, review rock coring (selection, visual observation, and rock matrix sampling), evaluate borehole geophysical logging and discrete samples (18" interval), and review rock cores for design of a site injection program. Many fractured bedrock sites do not achieve cleanup goals on time or on budget because conventional techniques and technologies to address contaminant flow and bedrock well injection are dated. Most times, the design depicts an incomplete understanding of the location (interval), mass concentration, and mass flux; typically, these are the result of the cost of fractured bedrock site investigation, access difficulties in the subsurface, injection deficiencies in the subsurface, or poor remedy selection. These important characteristics of a fractured bedrock site can be solved. Understanding the geologic controls of a fractured bedrock site, selecting the proper reagent loading, considering reagent persistence, and achieving distribution in the subsurface are key to resolving contaminated fractured rock. This webinar walks through a fractured bedrock RDC process that helps control investigation costs, develops a high resolution understanding of groundwater and contaminant mass in the subsurface, and refines the final injection plan and equipment necessary to achieve reagent distribution and treatment. Attendees will have a better understanding of the concert of tools critical to understanding a fractured rock environment and have the confidence to speak about and apply these concepts for their clients.

<https://attendee.gotowebinar.com/register/2928278051641606928>



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(Webinars continued from page 17)

December 10, 2020: Unlocking the Secrets to Fractured Bedrock Injection

This is the fifth installment in that series, and it focuses on fractured bedrock injection. The webinar will focus on the specialized equipment designed for high-pressure rock injection, while depicting the considerations, challenges, and expectations of fractured bedrock injection utilizing a narrow-interval straddle packer injection system coupled with high capacity pumps. This technology is different from many conventional bedrock injection programs that use low-flow or diffusion to address groundwater zones, and places reagent surgically in the subsurface based on the Remedial Design Characterization (RDC). A key to bedrock remediation is to not treat just the highly transmissive zones, but also lower transmissive zones and zones of residual contaminant storage. A combination of custom packers (18" between inflation elements) and a unique bedrock injection unit (flow rates ranging from 50 to 250 gallons per minute and pressure up to 3,000 psi.) allows focused treatment using high energy access to the smaller aperture fracture networks which typically contain more contaminant mass than more transmissive features. Understanding these challenges and concepts has led to the development of custom injection equipment to increase reagent distribution, speed, efficacy, and success for bedrock injection programs. Being able to isolate and treat these zones is a key component to success at difficult fractured bedrock sites. When coupled together with a unique RDC processes and methodology (covered in previous webinar) and high-pressure formational response case histories, there is a higher probability that the design and selected amendments are properly installed into the targeted treatment zones.

<https://attendee.gotowebinar.com/register/6113718268448204304>

December 17, 2020: The Pre-drill Methodology: Overcoming Unconsolidated DPT Refusal

This is the sixth installment in that series, and it focuses on accessing difficult geologic zones at remediation sites using commonly available drilling equipment. The injection locations are first pre-drilled to the desired depth using sonic or auger rigs and the evacuated borehole is then backfilled with hydrated bentonite chips or pellets to seal the bore wall. Direct Push Technology (DPT) rigs are then used to push through the bentonite to reach the desired injection depth intervals without compromising the bore seal. This training will introduce attendees to the Pre-Drill methodology, pioneered by RPI Group over a decade ago. Pre-Drill (pre-drilling injection locations) technique is used to bypass zones or achieve depths where DPT refusal occurs in the subsurface, allowing access to these vertical depths with DPT rigs after completion. Examples of zones that benefit from this installation process include gravel/cobble, glacial till, chert layers, caliche layers, breccia layers, stiff clays, weathered bedrock, urban fill, and more. The Pre-Drill process involves advancing sonic or HSA/SSA rigs to targeted depths and then backfilling with a hydrated bentonite-based mixture. Once the backfill has set up, a DPT rig can be pushed through the bentonite mix column and high-pressure injection intervals can commence. This technique has been used all over the United States by AST.

<https://attendee.gotowebinar.com/register/8433917600985794832>

(End)

(Ramblings continued from page 11)

70% of my time being an AIPG member.

Looking back on my term, I'm grateful the AIPG National Conference in 2019 wasn't a bust. Better, it seemed to go off without a hitch. While none of us anticipated spending 2020 in a state of quarantine, we've seemed to do a great job adjusting to the requirements and recommendations put in place to keep us safe. The Section's October 28th Virtual Meeting proved to me, and hopefully others, that we can stay connected despite the inability to connect physically. I'm confident that, come Fall of 2021, we'll be able to meet in person yet again.

As I move out of my role as President, the Section is eager to welcome my successor, Jennifer Rhee. Like me, Jennifer started as Section Secretary. Having worked with her over the last four years, I'm sure she will be a fantastic Section President and she'll make this Section proud.

Be safe Northeast Section and goodbye,

Michael

Thank you, Michael, for your
dedication and time presiding over
the NE Section of AIPG!



(End)



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We are welcoming the submission of Technical Presentations and Posters for the 2021 NJ Site Remediation Conference. All the information on submission requirements and the applications can be found at the following pages on the LSRPA website:

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(NJSRC continued on page 23)

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(End)

NE/AIPG First Ever Virtual Fall Meeting



A Resounding Success!



By Jennifer Rhee, PG (NY)

The NE/AIPG Fall Meeting 2020 presentation of “Remediation and Final Resolution of Environmental Impacts Associated with the Retsof Salt Mine Collapse,” by John M. Nadeau, CPG, PG, was a huge success! I’m happy to report that our first-ever virtual meeting was attended by over thirty registrants. I want to thank all who joined and participated, especially in the informative Q&A, with great discussion. I also want to thank John M. Nadeau for putting together the presentation and pulling together great content for the NE Section.

The Retsof Salt Mine was the largest salt mine in North America, located in Livingston County, New York. The mine, which reached approximately 1,000 feet below ground surface, extracted salt from a natural deposit, for use as road salt and table salt. In March, 1994, the ceiling of an underground chamber collapsed, causing the mine to infill with groundwater. The mine ceased operations in 1995, following the collapse. The brine mixture eventually

(Fall Meeting continued on page 61)



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Need an idea? Check out the News for Members section on page 56.

We cannot wait to hear about your news!



Fall Virtual Meeting SPEAKER

On October 28th, NE/AIPG hosted an online presentation of *Remediation and Final Resolution of Environmental Impacts Associated with the Retsof Salt Mine Collapse, Livingston County, New York*, presented by John M. Nadeau.



John M. Nadeau, P.G., CPG is a Senior Geologist with Alpha Geoscience, Clifton Park, New York and he served as president of the NYSCPG from 2011 through 2014. John continued in the role of Legislative Chairman through 2019 and spent significant time working with the State Education Department, NYS Department of State, NYS Legislature, and our sister professions in passing legislation related to the creation of the profession of geology in New York. He became the Executive Director of the Solution Mining Research Institute, an international research and educational organization focused on solution mining, in 2020. John was president of the Hudson Mohawk Professional Geologists' Association from 2009 through 2011. His professional experience includes conducting varied geological and hydrogeological work for mines, water supplies, aquifers, waste disposal, and hazardous and petroleum-impacted sites. John is certified by the American Institute of Professional Geologists and is registered or licensed as a Professional Geologist in New York, Utah, Missouri, and Nebraska.

See the articles on pages 24 and 32 of this newsletter.



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The Retsof Mine Collapse

By the Livingston County Historical Society

On March 12, 1994 the Retsof Salt Mine, which had been in operation for over 100 years and was the largest salt mine in North America, collapsed. One of the major environmental impacts of the collapse is that the mine filled up with ground water. The combination of salt and water created a brine mixture, which eventually traveled up through shale deposits above the collapsed mine and settled in the lower aquifer, contaminating local water supplies. By the close of 1994 an estimated 20 wells were classified by the County as being dried up or completely unusable. This number continued to rise as the mine continued to flood, and additional well testing was conducted. The mine officially closed a year later.

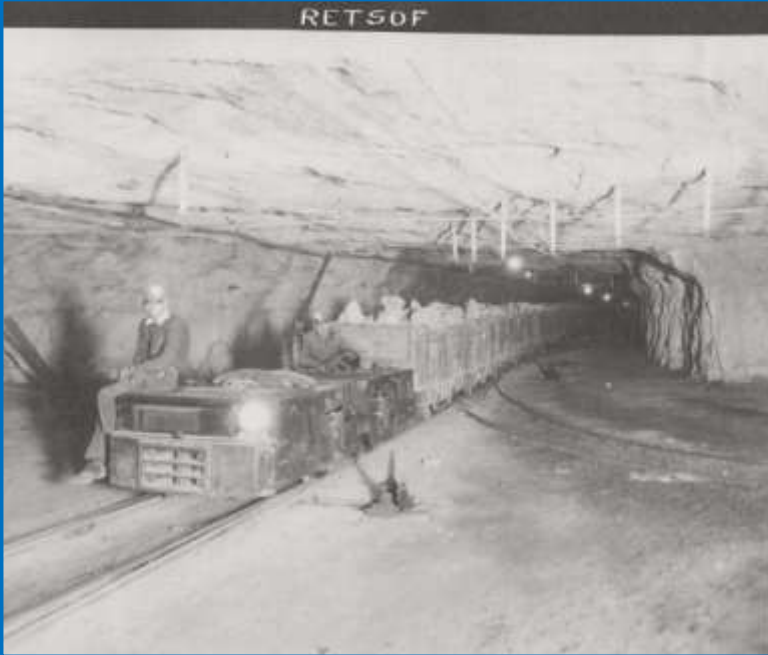
In 2006 Akzo Nobel, the former owner of the mine, began pumping salty brine out of the mine in the effort to halt contamination of the lower aquifer and to attempt to desalinate, or remove the salt from, the water. Starting in 2010, however, AzkoNobel entered negotiations with the state Department of Environmental Conservation and Livingston County in the effort settle monetary reparations for the damage the collapsed mine caused to local water supplies, as well as provide for the continuing monitoring of the aquifer. The operation of the company's desalination plant, located in Cuylerville, was deemed as an unsustainable method for dealing with the brine in the collapsed mine, as it cost AzkoNobel nearly \$1 million to operate annually. Furthermore, to extract and desalinate all the brine that filled the Retsof Salt Mine was estimated to take centuries! Azko Nobel continued the desalination process through its plant until precisely 12:00am on Monday, December 16, 2013, when a Consent Order from the NYS Department of Environmental Conservation requiring the plant to pump the brine expired. The company was obligated to keep the plant on "stand-by" mode and to continue monitoring the water quality in the aquifer until February 15, 2013.

In a somewhat controversial ending to negotiations, Livingston County and New York State settled their talks with AzkoNoble

(Retsof continued on page 33)

(Retsof continued from page 32)

in December, 2014. The agreement required the company to pay \$20 million, with \$17 million given to Livingston County for expenses related to the maintenance of local water supplies, and



Transporting salt to the foot of the shaft in the RSM.

the other \$3 million given to the state to continue to monitor ground water.

The reaction to the settlement by Livingston County residents was lukewarm at best. Some residents were pleased that a settlement occurred at all. Often times with man-made environmental disasters, negotiations between local governments and the companies responsible can take many years, leaving residents worrying about who will pay for protecting the environment around their homes. While \$20 million may have seemed like a small amount, some residents were contented that Livingston County would get at least some support from AzkoNobel.

Other Livingston County residents thought AzkoNobel got off too

(Retsof continued on page 35)

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(Retsof continued from page 33)

easy with the negotiations and would have preferred for the county to receive more money, especially if at some point in the future desalination efforts were deemed necessary and needed to be resumed. The money the county settled for would simply not be enough to support this endeavor. Richard M. Yager, who compiled a report for the U.S. Geological Survey in 2013 (prior to the settlement) of the environmental consequences of the Retsof Mine collapse, concluded with the following thoughts on a potential monetary resolution:

By settling for only \$20 million, some residents felt that Livingston County and New York State were wrongly devaluing a source of water.



Loading holes with explosives..

SOURCE: <https://www.livingstoncountyhistoricalsociety.com/salt-mine>

For more information on the Restof Salt Mine Collapse and the widespread subsidence after the collapse, go to <https://pubs.usgs.gov/circ/circ1182/pdf/14Retsof.pdf> for an in-depth geological overview.

(End)



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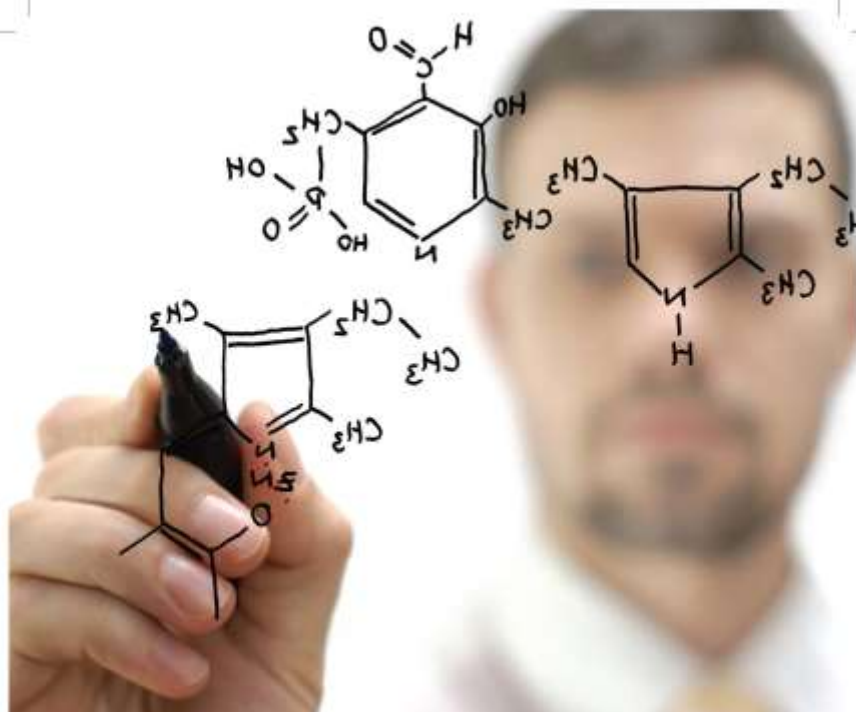
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JULY 2020 MEETING MINUTES

NE SECTION – AIPG EXECUTIVE COMMITTEE MEETING MONDAY, JULY 20, 2020

Distribution:

Jessica McEachern	Michael Grifasi	Bob Blauvelt	Jennifer Becker
Jeff Frederick	Kelly Weyer	Luanne Whitbeck	Adelina Prentice
Laurie Scheuing	Chris Brown	Brandon Tufano	Dick Young
Dennis McGrath	Mitch Ward	Kim Burger	

Call to Order (4:04 PM)

Secretary's Report (Minutes)

- ♦ May 2019 – A motion was made to accept as written and seconded. Motion passes with no discussion.

Treasurer's Report

- ♦ June 2020 – The dues from national have come in for the Northeast Section. The account also shows a standard monthly charge and star chapter web hosting fees, with charges coming up for web hosting domain fee and survey monkey fee. Currently at a healthy balance. .
- ♦ The Angelo Tagliacozzo Memorial Geological Scholarship (ATMGS) fund is continuing to recover, and is almost back to where it was at the beginning of the year.

Correspondence

- ♦ Scholarship-related – A query was sent out to those who were involved in the scholarship committee last year to see who is interested in this year and almost everyone responded.

Old Business

- ♦ Short Course Update – Drone Short Course (LSRP Update) – Currently if you have a course approved for in person training, you can transition that course to online training. There are a couple of caveats, including asking questions to attendees periodically to make sure they are actually in attendance. Additionally, the limit for online credits you can receive has been removed. For the rate, the instructor will expect the same rate, however with the decrease in overhead cost the cost of the course can be lower than the in-person rate.

(Minutes continued on page 41)

(Minutes continued from page 40)

- ♦ Spring to Fall Meeting Planning – Joint Meeting with HMPGA – A response from HMPGA is still pending and we can circle back with them once we have a plan in place to see if they want to have a joint meeting. The fall meeting would likely be online and we could potentially reach members from farther away who would otherwise not have attended an in person meeting .

New Business

- ♦ NE Section Elections – President Elect, Secretary, Treasurer, At Large (Update) – Kelly has accepted the nomination for president elect (congratulations!); secretary and at-large have agreed to stay on, and an additional at-large (Mitch) has accepted nomination..
- ♦ Publications
 - ◇ Newsletter – Kim will be taking over the newsletter duties, Brandon will be slowly stepping back. If members have any articles for the newsletter please forward.
 - ◇ Advertising Sales Update & Income – Not much to update, advertising payments have slowed down due to current climate and efforts are being made to kick them back up.

A motion was made to adjourn and the motion was seconded and passed. Adjournment (4:56 PM)

(Minutes continued on page 42)



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(Minutes continued from page 41)

SEPTEMBER 2020 MEETING MINUTES

NE SECTION – AIPG EXECUTIVE COMMITTEE MEETING MONDAY, SEPTEMBER 14, 2020

Distribution:

Jessica McEachern	Michael Grifasi	Bob Blauvelt	Jennifer Becker
Jeff Frederick	Kelly Weyer	Luanne Whitbeck	Adelina Prentice
Laurie Scheuing	Chris Brown	Brandon Tufano	Dick Young
Dennis McGrath	Kim Burger		

Call to Order (4:03 PM)

Secretary's Report (Minutes)

- ♦ July 2020 – A motion was made to accept as written and seconded. Motion passes with no discussion.

Treasurer's Report

- ♦ August 2020 – The section fund is in good standing and approximately where we were last month.
- ♦ The Angelo Tagliacozzo Memorial Geological Scholarship (ATMGS) fund is continuing to recover much of the losses from earlier in the year, and is at a higher balance than a year ago.

Correspondence

- ♦ Scholarship-related – Updates to scholarship website have been made and the team is going to be contacting universities and faculties to start getting information out to students for applications.
- ♦ Dennis updated on correspondence with Angelo Tagliacozzo's family.

Old Business

- ♦ Short Course Update – Drone Short Course (LSRP Update) – No updates.

Spring to Fall Meeting Planning – Joint Meeting with HMPGA – some discussion on availability of a possible speaker. Teams vs. Zoom, Teams seems to be more professional, although Zoom may have break out room capability if interested. Responses to the survey indicate that most people would prefer the 4-6 time slot.

(Minutes continued on page 46)

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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.

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(Minutes continued from page 42)

New Business

- ♦ NE Section Elections – President Elect, Secretary, Treasurer, At Large (Update) – Every position is currently covered.

Publications

- ♦ Newsletter – No updates.
- ♦ Advertising Sales Update & Income – No updates.

A motion was made to adjourn, which is seconded and passed.

Adjournment (4:34 PM)

(End)



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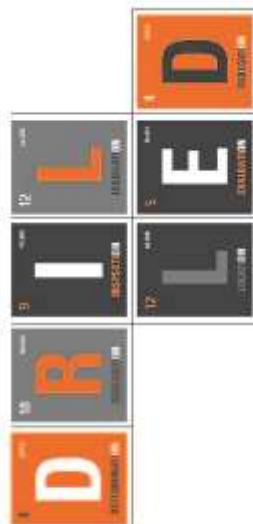
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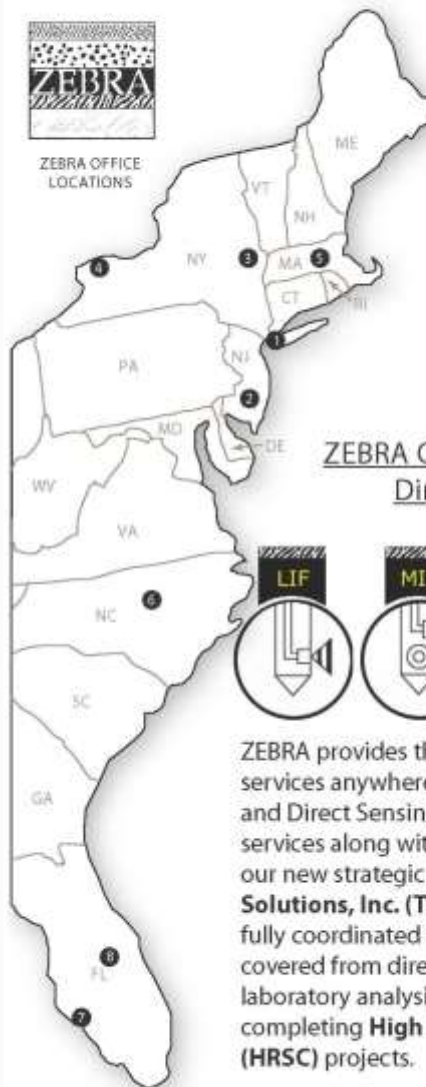
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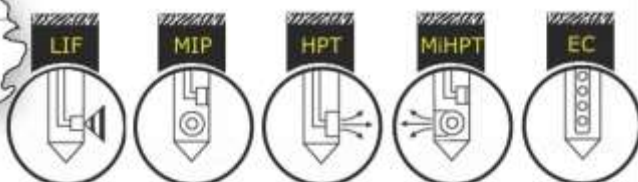
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News of Members

What have our members been doing during the pandemic?
Read on to find out!

The News of Members portion of the NE/AIPG Newsletter was a vibrant (and, often, extensive) part of each newsletter from the early 1980's, onward.

The News of Members column allows Section Members to update fellow geologists on their activities and experiences (both professional and personal). Given the expansive, 8-state area covered by the Northeast Section, and the limited opportunities to get together in person, the News of Members column fills a void and helps to maintain relationships.

Sadly, the News of Members column had languished over the last decade, given the many work/time constraints and pressures on Members.

The **good news** is we are re-invigorating the News of Members column! Read about some of the happenings of our ExCom members during this new age of quarantine and working from home.

As always, we encourage you to send YOUR activities, experiences, and news to our Editor for our next issue.

Dick Young

ryoungnj@aol.com

Kim Burger

kburger@rouxinc.com

Brandon Tufano

btufano@integral-corp.co

(News of Members continued on page 57)



**Northeast Section
President
Michael Grifasi, CPG,
Honored with the
Past Presidents' Traveling Plaque**

During the Northeast Section's Virtual Fall Meeting on October 28, 2020, Northeast Section President Michael Grifasi was Honored with the Past Presidents' Traveling Plaque.

Jessica L. McEachern, CPG, PG (NY), current Past President of the Northeast Section, presented the Plaque to Michael, noting this long tradition in the Northeast Section. The outgoing President is presented with the Traveling Plaque, commemorating their years of service to the Northeast Section. Jessica said, "Michael, it is my privilege to present you with this Honor, . . . *virtually, for the moment!* Michael, thank you for all that you have done for our Section as President, during the past two years, . . . and for your service over the years before that!"

The Past Presidents' Traveling Plaque is inscribed:

Presented In Grateful Recognition of Leadership And Service Provided To The Northeast Section Of The American Institute of Professional Geologists.

The Plaque lists each of the 31 Certified Professional Geologists who have served the Northeast Section as President, since the Section was originally created as the "New York Section" in 1966.

The NE/AIPG Past Presidents' Traveling Plaque was created in the Fall of 1982. It was first presented to Charles



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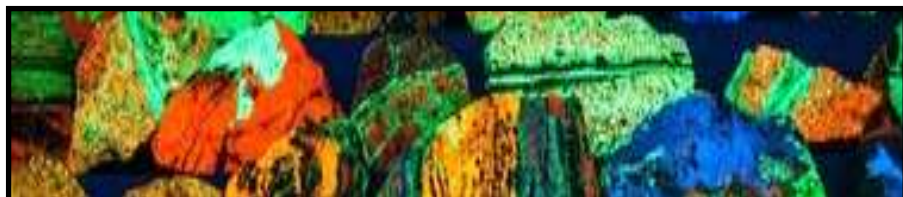
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A. Rich, CPG, as he neared completion of his 2-year term as Section President, by then President-Elect Dick Young, CPG. The tradition has continued over the last 38 years.

The concept of the NE/AIPG Past Presidents' Traveling Plaque is to express the appreciation of the Northeast Section and its Members to each individual who serves as Section President.



(End)

(Fall Meeting continued from page 24)

seeped into the lower aquifer and contaminated local water supplies. The collapse also led to surface subsidence and sinkholes, affecting surface features such as roadways and bridges. The discussion and presentation included a timeline from the collapse to the management of the long-lasting environmental consequences of the collapse.

I want to personally thank everyone who donated to the Angelo Tagliacozzo Memorial Geological Scholarship, as part of the meeting registration. We are currently in the process of gearing up for another round of applications from perspective students, and we do so appreciate all the support.

The Northeast ExCom is planning to host additional virtual meetings in the upcoming year. If you have any feedback on the virtual Fall Meeting or great ideas to share for future virtual meeting content, please contact me at Jennifer.rhee@hdrinc.com.

(Fall Meeting continued on page 63)



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(Fall Meeting continued from page 61)



Pictured Above
Top L-R: Jennifer Rhee,
Michael Grifasi, Luanne
Whitbeck

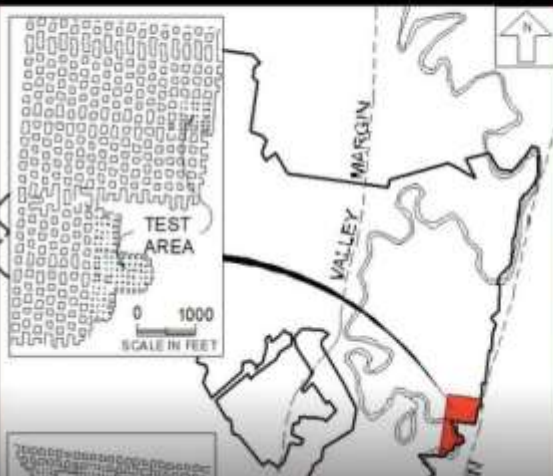


Bottom L-R :NE/AIPG
Member, Scott Hulseapple,
Dick Young

Pictured to the Left
Top L-R: Dorothy Richter,
Sam Gowan
Bottom L-R: Bob Mahoney,
Jean Patota

Virtual Fall Meeting

Pictured Top to Bottom: John Nadeau, Michael
Grifasi, Jennifer Rhee, and Luanne Whitbeck



(End)



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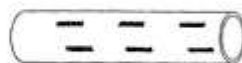
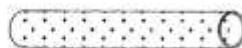
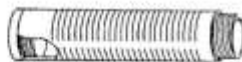
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March	12	Content to Publisher
April	12	E-mail to Members

Spring Newsletter

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April	2	Content to Publisher
April	19	E-mail to Members

Indian Summer Newsletter

July	23	Deadline (Material to Editor)
August	13	Content to Publisher
September	1	E-mail to Members

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***Why Isn't Your Name
On This List?***

***Solve it!
Simply see Pages 77-78
and then***

Move into Action!

(End)

Celebrating 34 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.

ATMGs recognizes the dedicated leadership and service which Angelo provided to NE/AIPG, 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 be remembered as) a respected professional... and a friend.

THE SCHOLARSHIP

NE/AIPG 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, both on academic achievement and on financial need, to students enrolled in recognized geology programs at colleges or universities in New England, New Jersey, & New York.

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:

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

**NE/AIPG Geological Scholarship Trust Fund
c/o Dennis McGrath, CPG
1133 Warburton Avenue, Apt. 211N
Yonkers, NY 10701**

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 contribution, and Additional corporate contributions.

For further information, contact Dennis McGrath:
mcgrathdg@gmail.com Cell: 914-424-8816

Memorandum

To: Dennis McGrath, Chairman, ATMG Scholarship, Northeast Section, AIPG

From:

Date:

Re: *I'm Taking the Pledge: **I'M IN FOR 2021!***

Dear Dennis,

Just a quick note to let you know that I'm 100% with you when it comes to achieving the Section's goal of 100% participation in support of the Scholarship Perpetual Trust Fund during 2021, the 35th Anniversary of the Scholarship! I agree with your encouragement that each and every Section Member make a contribution in accordance with their ability... and this is the one time when I don't want to be the odd person out!

I'M IN FOR 2021!

For 2021, the 35th Anniversary, I'm considering pledging... Thirty-five Bucks a Week, Thirty-five Bucks a Month, or Thirty-five Bucks for the Year!

Now, I know it could be more—and you know it could be less!—but I am committed to contributing as much as I can, so I'm not going to delay it any longer: **I'M IN FOR 2021!**

Yes, my personal budget is tight, but I figure that, somehow, I can set aside \$35 each month (aka the cost of weekly lattes) this year to give back to the profession that has given me so much. 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!

And 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 for Section pride! So, Dennis, **I'M IN FOR 2021**

Professionally yours,

Times are really (GREAT / poor), so I am pledging:

____ 35 Bucks a Week (\$1820 for 2021)

____ 35 Bucks a Month (\$420 for 2021)

____ 35 Bucks a Year (\$35 for 2021)

Other: _____ (Every little bit is better than nothing!)

____ I'll make it easy on you; I have enclosed my check, made out to "*Angelo Tagliacozzo Memorial Geological Scholarship Trust Fund.*"

____ Please invoice me for my 2021 pledge by 10/31/2021. I'll pay by 12/1/2021.

Signed: _____

Name Printed: _____

Address: _____

Mail this Pledge to: NE/AIPG Geological Scholarship Trust Fund, c/o Bob Blauvelt,
345 Stuyvesant Ave Lyndhurst, New Jersey 07071

- or -

Email this Pledge to: NE/AIPG Geological Scholarship Trust Fund, c/o Bob Blauvelt
blauvelt@geiconsultants.com