

AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS

Northeast Section **NEWSLETTER** *Winter 2022* *As published on 2/11/2022*

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June 14-15, 2022 [Page 63](#)

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Byproduct of the
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AIPG NORTHEAST SECTION NEWSLETTER

WINTER 2022 EDITION No. 167

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**2022 EXECUTIVE COMMITTEE MEETING
SCHEDULE:**

January 10th

March 7th

May—Spring Meeting, TBA (Second week in May)

July 11th

September 12th

October—Fall Meeting, TBA (Second week in October)

December 5th

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

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Presidential Ramblings Winter 2022

By President Jennifer Rhee



Greetings Northeast Section,

The Northeast Section is off to a powerful start in 2022!

Scholarship Chair Kelly Weyer and the Scholarship Committee report that they are reviewing a number of solid applications, as detailed on [page 22](#). Once the individual evaluations are received and combined, the Scholarship Review Committee will convene, before the end of February, to discuss the results. The Committee will then propose and agree on three recommendations: 1) the size of this year's award pool (how many total dollars can be awarded); 2) the individual applicants selected to receive a scholarship award; and 3) the amount of each award.

(Ramblings continued on page 19)

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Helium: A Byproduct of the Natural Gas Industry



Article by:
Hobart M. King, PhD, RPG;
Posted on Geology.com

Goodyear blimp photo
courtesy of Derek Jensen.

Helium is a chemical element and a colorless, odorless, tasteless, inert gas. It has the smallest atomic radius of any element and the second-lowest atomic weight. It is lighter than air.

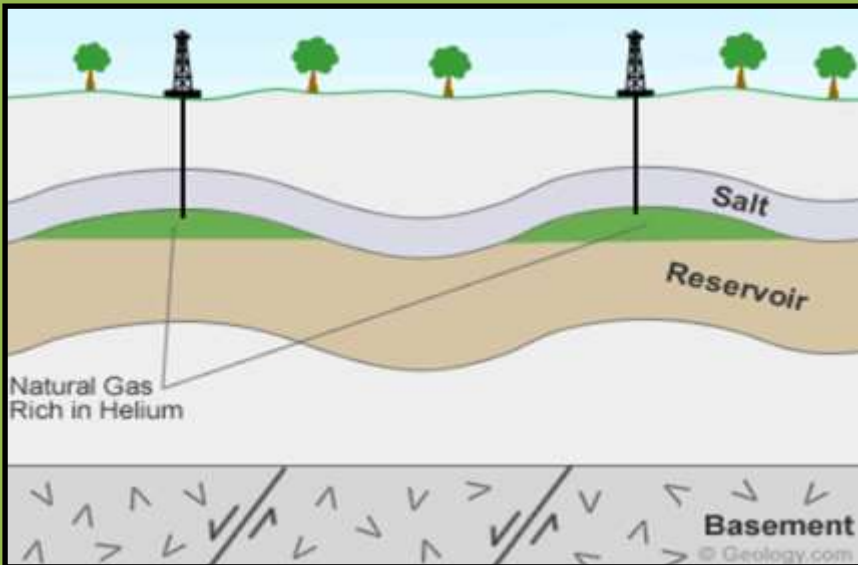
Most people know that helium is used as a lifting gas in blimps and party balloons, but they can't name another way in which it is used. The number one use of helium is as a cooling gas for magnetic resonance imaging (MRI) machines used in medical facilities. Other important uses of helium include: a protective gas for welding, an inert gas for controlled atmosphere manufacturing, a fugitive gas used for leak detection, and a low-viscosity gas for pressurized breathing mixtures.

Very little helium is present in Earth's atmosphere. It is such a light element that Earth's gravity cannot hold it. When present at Earth's surface, unconfined helium immediately begins rising until it escapes the planet. That's why party balloons rise!

The helium that is produced commercially is obtained from the ground. Some natural gas fields have enough helium mingled with the gas that it can be extracted at an economical cost. A few fields in the United States contain over 7% helium by volume. Companies that drill for natural gas in these areas produce the natural gas, process it and remove the helium as a byproduct.

(Helium article continued on page 13)

(Helium article continued from page 12)



Helium-bearing natural gas deposits: Deposit model for helium-bearing natural gas fields in the United States. Helium is produced by the decay of uranium and thorium in granitoid basement rocks. The liberated helium is buoyant and moves toward the surface in porosity associated with basement faults. The helium then moves upward through porous sedimentary cover until it is trapped with natural gas under beds of anhydrite or salt. These are the only laterally-persistent rock types that are able to trap and contain the tiny, buoyant helium atoms. This geological situation only occurs at a few locations in the world and is why rich helium accumulations are rare.

Most of the helium that is removed from natural gas is thought to form from radioactive decay of uranium and thorium in granitoid rocks of Earth's continental crust. As a very light gas, it is buoyant and seeks to move upward as soon as it forms.

The richest helium accumulations are found where three conditions exist: 1) granitoid basement rocks are rich in uranium and thorium; 2) the basement rocks are fractured and faulted to provide escape paths for the helium; and 3) porous sedimentary rocks above the basement faults are capped with an impermeable seal of halite or anhydrite. When all three of these conditions are met, helium might accumulate in the porous sedimentary rock layer.

(Helium article continued on page 14)

(Helium article continued from page 13)

Helium has the smallest atomic radius of any element, about 0.2 nanometers. So, when it forms and starts moving upward, it can fit through very small pore spaces within the rocks. Halite and anhydrite are the only sedimentary rocks that can block the upward migration of helium atoms. Shales that have their pore spaces plugged with abundant organic materials (kerogen) sometimes serve as a less effective barrier.



Helium-bearing natural gas deposits:
Map showing the natural gas fields that serve as important sources of helium in the United States. The natural gas produced from these fields contains between 0.3% to over 7% helium. The helium is removed from the gas for commercial sale.
Image by Geology.com using location data from the United States Geological Survey.

Most unprocessed natural gas contains at least trace amounts of helium. Very few natural gas fields contain enough to justify a helium recovery process. A natural gas source must contain at least 0.3% helium to be considered as a potential helium source.

In 2010, all of the natural gas processed for helium in the United States came from fields in Colorado, Kansas, Oklahoma, Texas, Utah, and Wyoming as shown on the accompanying map. The Hugoton Field in Oklahoma, Kansas and Texas; the Panoma Field in Kansas; the Keyes Field in Oklahoma; the Panhandle West and Cliffside Fields in Texas, and the Riley Ridge Field in Wyoming account for most of the helium production in the United States.

During 2010, the United States produced 128 million cubic meters of helium. Of that amount, 53 million cubic meters of helium were extracted from natural gas, and 75 million cubic meters were withdrawn from the National Helium Reserve. Other countries with known production amounts were: Algeria (18 mcm), Qatar (13 mcm), Russia (6 mcm), and Poland (3 mcm). Canada and China produced small but unreported amounts of helium.

(Helium continued on page 16)



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(Helium article continued from page 14)

Helium has a number of properties that make it exceptionally well-suited for certain uses. In some of these uses, helium is the best possible gas to use, and in a few there is no adequate substitute for helium.

The number one use of helium is in the magnetic resonance imaging machines used in medical facilities to assess injuries and diagnose illness. These machines utilize a magnetic field that is produced by a superconducting magnet that generates an enormous amount of heat. Liquid helium is the cooling substance of choice for regulating the temperature of these magnets.

Helium has the second-lowest atomic weight of any element. As a lighter-than-air gas, helium has been used as a "lifting gas" for airships, balloons, blimps, dirigibles, zeppelins, anti-aircraft balloons, weather balloons and other lighter-than-air craft. It is much safer than hydrogen because it is not flammable. This was the most important category of helium use until the end of World War II.

Helium has the lowest melting and boiling point of any gas. It melts and boils at temperatures close to absolute zero. Because it remains a gas at very low temperatures, it can be used as a purging gas for fuel tanks and fuel delivery systems that are filled with very cold liquids, such as liquid hydrogen and liquid oxygen. Because it is inert and has a low freezing temperature, it can displace these fuels safely without freezing. Large amounts of helium are used by NASA and the Department of Defense for purging rocket propulsion systems.

Purging gas: Helium is used by NASA and the Department of Defense to purge liquid oxygen and liquid hydrogen from fuel tanks and fuel delivery systems of rocket engines. Helium is inert and has a freezing temperature that is so low that it remains a gas through the purging process. A flow of helium into these systems has even been used during emergencies to extinguish fires. Image by NASA.



(Helium article continued on page 17)

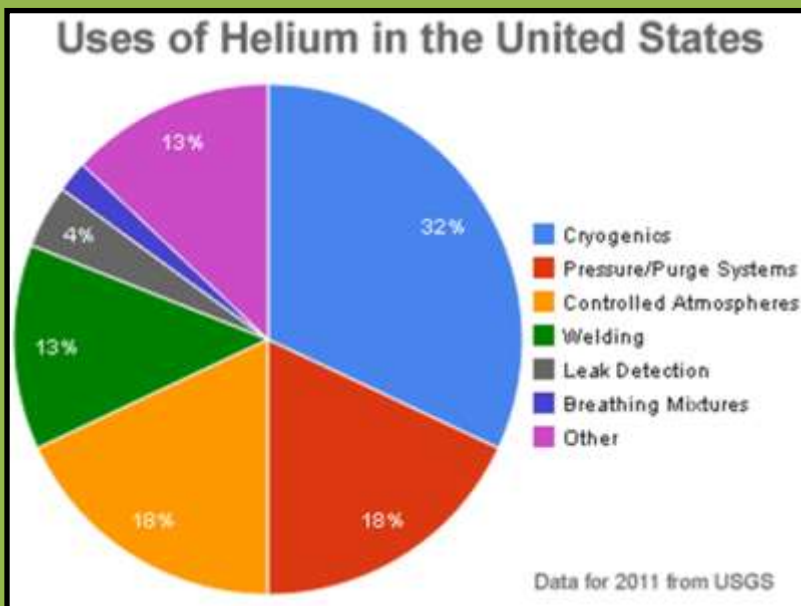
(Helium article continued from page 16)

Helium is an inert gas. The only gas with a lower reactivity is neon. This low reactivity makes helium a valuable gas to use in manufacturing and repair processes when an inert atmosphere is required. Helium also has the second-lowest density of any gas, along with a very high thermal conductivity. These properties of helium gas make it the atmosphere of choice for many metallurgical processes, growing perfect crystals in chemical vapors, manufacturing optical fibers, and other uses.

Helium has a very low viscosity, a high diffusion coefficient, and the smallest atom of any element. These characteristics make helium very hard to contain. If a system has a leak, helium will escape. Helium gas is therefore used to test high vacuum systems, fuel systems, and other containments for leaks.

Helium and other inert gases are used to prepare breathing mixtures for deep-water diving and medical treatments. Helium is used here because it is inert, has a very low viscosity, and is easier to breathe under pressure than any other gas.

Helium is used as a protective atmosphere when welding. An inert gas atmosphere protects hot metals from oxidation and other reactions that might occur rapidly at high temperatures.



Relative amounts of helium consumed by various uses in the United States during 2011. Graph by Geology.com using data from USGS.

(Helium article continued on page 24)

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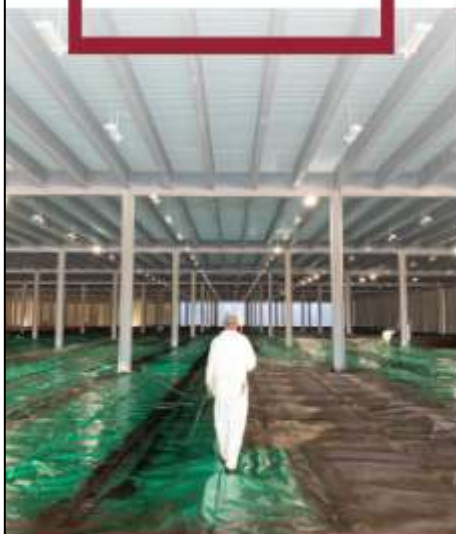
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(Ramblings continued from page 11)

As we carefully monitor the ever-evolving pandemic, we are optimistically moving ahead on plans for the Spring Meeting, as updated on [page 20](#).

Additionally, in this issue of the NE/AIPG Newsletter, you will find a spectrum of useful and informative articles, including:

- * DISCOUNT CODE For NJ Site Remediation Conference June 14-15, 2022 on [page 63](#).
- * Info on NY Professional Development Hours for NY-PG Continuing Education Requirements, thanks to NYSCPG, on [pages 46 & 77](#).
- * A 2/16/22 virtual opportunity to earn NY Professional Development Hours for NY-PG Continuing Education Requirements on [page 60](#).
- * To test your geological knowledge, A Flashback to the 2009 Newsletter: "Where in the World" on [page 23](#).

On a personal note, it is my great pleasure to share with you the news of an impending addition to our family. More on that, soon.

We hope that this New Year will be one of Good Health, Peace, and Prosperity For You and Yours,

Jennifer

(End)



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SPRING MEETING



We are excited to start planning the Spring 2022 Meeting, which is targeted for the second week in May!

The ExCom is taking into consideration the rise in COVID cases and carefully coming up with ideas for the meeting, with safety as the top priority. More details to follow soon.

If anyone has ideas for virtual content or other meeting ideas, please contact jennifer.rhee@hdrinc.com and kelly.weyer@yahoo.com.

We hope everyone enjoyed the holiday season and continues to stay safe!



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Angelo Tagliacozzo Memorial Geological Scholarship 2021-2022 Status Update

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

In its 36th year, the annual Angelo Tagliacozzo Memorial Geological Scholarship process is right on schedule for the 2021-2022 award season! Student applications were due on December 9, 2021, and the applications are currently in the hands of the Scholarship Review Committee.

The Review Committee's evaluations are due on February 11, 2022. Once the individual evaluations are received and combined into a single composite evaluation score sheet, the Scholarship Review Committee will convene (sometime before the end of February) to discuss the results.

The Committee will then propose and agree on three recommendations: 1) the size of this year's award pool (how many total dollars can be awarded); 2) the individual applicants selected to receive a scholarship award; and 3) the amount of each award.

These recommendations will be presented to the Executive Committee (ExCom) of the NE Section for approval at their March meeting. Once approved by the ExCom, all scholarship applicants (both recipients and those not receiving a scholarship) will be notified of the results.

You can watch for updates in future newsletters, and by visiting the Scholarship Information page on the NEAIPG website (<https://ne-aipg.org>) We hope you will consider making a contribution to the Scholarship's Perpetual Trust Fund ([Pages 75-76](#)) to help continue the success of this program that encourages and supports promising future geologists.

(End)



2009

Back in 2009, the Newsletter questioned where these two places existed. We decided to see who could name them 13 years later! Enjoy guessing! Answers are in the original print on page [35](#).



**WHERE IN
THE WORLD?**

**WHERE IN
THE
NORTH-
EAST?**



(Answers on page 35)

(Helium article continued from page 17)

Helium is a gas that is only found where a coincidence of unlikely situations occur. Although it is continually being produced by radioactive mineral decay in Earth's crust, its rate of natural production and accumulation is so slow that it must be considered a nonrenewable resource.

In 1925 the United States established the National Helium Reserve to serve as a strategic supply of helium for use in airships and for other defense purposes. At that time, the country was producing much more helium than was being consumed. After World War II the amount of helium used as a lifting gas declined, but demand for helium as a purging gas, when refueling rocket engines and as a coolant in nuclear weapons facilities, surged. Still, more helium was being produced than consumed.

In 1995, Congress decided that the National Helium Reserve was not essential and initiated a program to sell the helium as part of the Helium Privatization Act of 1996. For almost two decades Congress allowed the helium to be sold at an enormous discount to free-market prices. Up to 1/2 of the world's helium demand was being met through sales from the National Helium Reserve. In some years more helium was exported out of the United States to other countries than was consumed domestically. Those who purchased helium from the government got a fantastic deal, and those who purchased helium in the free market paid a much higher price.

Dumping of National Helium Reserve stock into the market depressed the price of helium so much that it was being used as a cheap substitute for argon and other gases that have a much less limited supply.

Because commercial helium production was not rewarded or heavily utilized, the market was undersupplied when National Helium Reserve sales were replaced by an auction system in 2014. In the first auction, two bidders purchased the entire yearly allocation of 93 million cubic feet of helium at more than double the previous year's market price. After the auction, another 1 billion cubic feet was sold to the same two bidders.

Since the first auction, the price of helium continued to rise because production of new helium falls short of consumption. The price increase has triggered investment in new helium processing plants. However, helium can only be produced from natural gas fields with salt or anhydrate as a trap rock. These only occur in a few parts of the world.

(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 (Russ Slayback, 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." Confidentiality, to maintain the element of surprise in honoring the Recipient and his/her long service, is a cornerstone concept of the Slayback Awards.

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.

(End)



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SEE PAGE 29**



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Designed by famed Modernist (Catalan Modernism) architect Anton Gaudi, Parc Guell began construction in 1900 and sits on sedimentary rock dating back to the Silurian, Devonian, and Carboniferous periods.

Today, travelers from all over the world come to the park to gaze at the skyline of Barcelona, sit on the gorgeous undulating benches on the Mosaic Terrace, and, as I experienced this past July, stand in my way as I try to take pictures of every outcrop in the park.

What exactly is all that sitting on? What are elements of the park made of? Next issue!





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Answers from Page [23](#)

Where in the World?

Manicouagan Reservoir/Impact Crater, Quebec. Located on the Manicouagan ("the place where there is bark") River, the Manic series of hydroelectric projects built by Hydro Quebec in the 1960s flooded the fifth largest impact structure on Earth. The 200 + million year old crater is located in the metamorphic rocks of the Canadian Shield and was formed by the impact of an asteroid estimated at 3 miles in size. The structure was estimated to be originally 100 miles in diameter, but eroded to its current size of about 45 miles in diameter. Of course, if falling rocks from the sky seem to be an insufficient explanation to create such a structure, why not some large electrical strike to do the same damage? Visit: <http://www.thunderbolts.info/tpod/2007/arch07/071126manicouagan.htm> for the alternative explanation.

Where in the Northeast?

Plymouth Rock, Plymouth MA. *"The Rock itself might be described as a boulder of sienitic [sic] granite, weighing some seven tons, and the theory which has been advanced for its being upon the sand shores at Plymouth is that it was placed there by some prehistoric upheaval or by some unusual action of Nature."* (*An Illustrated Guide to Historic Plymouth*, 1921). Alas, the notion that the travelling pilgrims actually stepped on the tourist trap is unsubstantiated, however the rock itself has an interesting travel itinerary—coming from the other side of the Pond during an accretionary event. The chunk of Dedham granodiorite was subsequently plucked from the bedrock of Massachusetts and shaped by glacial action before several more recent attempts to move it to its present location (broken a few times in the process) at Pilgrim Memorial State Park. The "1620" (which I took out of the drawing) was reportedly carved into the rock in 1880.





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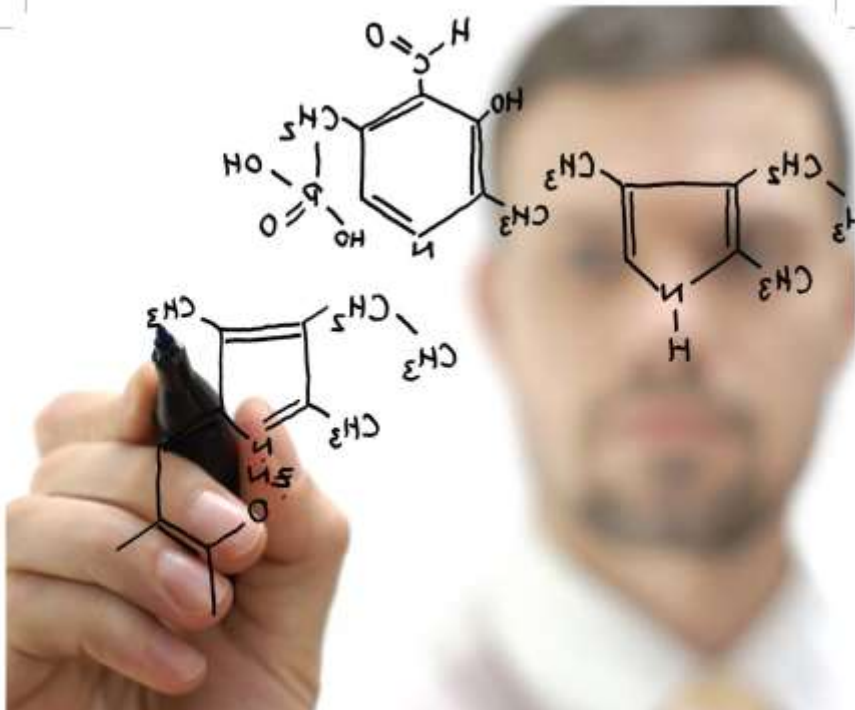
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JULY 2021 MEETING MINUTES

NE SECTION – AIPG EXECUTIVE COMMITTEE MEETING MONDAY, July 12, 2021

Adelina Prentice	Michael Grifasi	Bob Blauvelt
Jeff Frederick	Kelly Weyer	Luanne Whitbeck
Laurie Scheuing	Chris Brown	Dick Young
Dennis McGrath	Jennifer Rhee	Mitch Ward

Secretary's Report (Minutes)

May-June 2021 – Motion to accept minutes as written, seconded and accepted.

Treasurer's Report

- ♦ May-June 2021 – The section fund is in good standing, with revenue from spring meeting registrations, dues from national, advertising revenue, and regular fees for account.
- ♦ The Angelo Tagliacozzo Memorial Geological Scholarship (ATMGS) fund is doing well after some fluctuations over the last few months. Market is lower than average, but the account is doing well.

Correspondence

- ♦ From Chris in chat: Having technical difficulties on my end, I can't get mic to work; the student chapter at New Paltz has a new President and they've been in touch with me. I attended one of their meetings, virtually. I'm sure they'll be reaching out in the fall.

Old Business

- ♦ Short Course Update – Drone Short Course – Virtual Version – Approved in PA, NC, and NJ. MA soon to follow. LSP does not meet in July, but we could potentially start advertising as pending approval.
- ♦ Fundraiser Group – We can set up a call to discuss more fundraising this year. Suggested to send out an invite to everyone and those interested can join the call.

(Minutes continued on page 41)

(Minutes continued from page 40)

New Business

- ♦ 2022 Scholarship Committee – 9 members were utilized previously, and it would be a good idea to keep that number. An email will go out soon.
- ♦ Fall Meeting – There was previously discussion on whether the meeting should be in person or virtual; an outdoor venue may cut down on exposure. There could be potential for a hybrid solution if we could figure out the technical aspect. A discussion followed on potential venues.

Publications

- ♦ Newsletter – Looking for content.
- ♦ Advertising Sales Update & Income – Most advertising revenue is in, and re invoicing is in process for those that have yet to pay.

Motion to adjourn is made and seconded, adjourned at 4:36 pm.

(Minutes continued on page 42)



Did You Know...? CURLING

CURLING STONES ARE MADE FROM RARE GRANITE. — In fact, there are only two quarries in the world where the granite is found: the Scottish island of Ailsa Craig and the Trefor Granite Quarry in Wales.

IT ORIGINATED IN 16TH-CENTURY SCOTLAND. — Early games were played on frozen ponds and lochs with primitive curling stones made from materials and rocks from the regions of Stirling and Perth.

IT'S NICKNAMED "THE ROARING GAME." — The rumbling sound a curling stone makes when it's delivered and how it glides across rough ice. It's also a reference to the sound of brooms frantically sweeping away and melting ice to guide the stone to the button of the house.

POLITENESS IS REQUIRED. — Known as the "Spirit of Curling," teams often congratulate opponents for good shots and smart strategy, while players are discouraged from taunting and trash-talking each other. Furthermore, conceding is an acceptable part of the game.

(Minutes continued from page 41)

September 2021 MEETING MINUTES

NE SECTION – AIPG EXECUTIVE COMMITTEE MEETING MONDAY, September 20, 2021

Adelina Prentice	Michael Grifasi	Bob Blauvelt
Jeff Frederick	Kelly Weyer	Luanne Whitbeck
Laurie Scheuing	Chris Brown	Dick Young
Dennis McGrath	Jennifer Rhee	Mitch Ward

Sept 13 Quorum not met – Casual discussion on obtaining a zoom account for the section. Drone course is set to go. We need a date, instructor is available Oct 18, we need to establish a price, and we need about 10 instructees to make it profitable. LSRP requested a sponsorship from us. Rescheduled ExCom.

Secretary's Report (Minutes)

- ♦ July- August 2021 – Motion to accept minutes as written, seconded and accepted.

Treasurer's Report

- ♦ July- August 2021 – The section fund is in good standing, standard fees for July and August, and fees for tech support.
- ♦ The Angelo Tagliacozzo Memorial Geological Scholarship (ATMGS) fund is doing well, though September tends to be a rough month. No payables and no deposits.

Correspondence

- ♦ NJ LSRPA Golf Outing Email Blast 9/20 – We were contacted by someone on the LSRPA board for NJ to advertise for the golf outing, and they could also advertise for the drone course. The pdf for the drone course should go live soon.

Old Business

- ♦ Drone Short Course – Virtual Version (2 hours) – The instructor is confirmed. Promoting the course is the next step! We should contact those who have advertised for us before. We will also need a certificate of completion.
 - ◇ 9:45-12:00 October 20, 2021
 - ◇ Zoom license – One month license

(Minutes continued on page 43)

(Minutes continued from page 42)

- ◇ Website Sign Up/Updates
- ◇ Email Blast
- ◇ Send email over to Jeena Sheppard for email to LSRPs
- ◆ 2022 Scholarship Committee
- ◆ Website updated 9/20 – No big updates at this time. One spot available on committee .

New Business

- ◆ Zoom Platform Membership – We could consider keeping the membership for section meetings etc. A discussion on some benefits, and if we actually need it. At this time we will try out the month trial and then reevaluate.
- ◆ Fall Meeting – We have a speaker lined up, Brad Linsley, who is going to give a presentation on research relating to climate and corals. Current plan is Oct 13 at Growler and Gill, Nanuette NY. The venue will have a tent with a private space, and we will need to coordinate a time, and provide a screen and projector.
 - ◇ Screen and projector? – A couple of volunteers to bring a projector, and a suggestion that we should buy a screen as they are not too expensive.
 - ◇ Venue – A discussion on whether we should have a virtual component.
 - ◇ Save the Date/Email blast
- ◆ October AIPG National Meeting – Goes along with advisory board (below), would anyone be able to attend? President usually goes but Jen won't be able to go. Kelly might be able to. Or we could reach out to members who are going to see if they may be able to represent the NE section
- ◆ Advisory Board Member 2022 -Nomination – A discussion on whether anyone is interested.
- ◆ Transition ExCom Roles
 - ◇ NE AIPG Election (At-Large posts- Laurie, Brandon, Chris) – potential candidates if needed
 - ◇ Update the website with the at large members

Publications

- ◆ Newsletter – Changes and updates have gone through, and we will have to go over it once more because there were so many changes.
- ◆ Advertising Sales Update & Income – Will be reaching out to some who still owe fees.

Motion to adjourn was made and approved at 6:09.

(Minutes continued on page 57)

Retirement of Bob Elliott, CEO Remediation Products, Inc. & RPI Group

I retired at the end of 2021. What initially was just a sense of obligation to a good friend turned out to be a remarkable and successful 20-year journey. Stories like mine happen often in the most fun country on Earth, the United States of America.

More than 30 years ago, Scott Noland and I were teamed up by our employer to market environmental laboratory services. Scott was the “science guy” and I was the “sales guy”. We did pretty good but figured out that we liked working together more than we liked what we were selling. So, for ~10 years, we tag-teamed our way through several large and small environmental service/consulting companies. The lessons we learned at those various stops were the genesis of Remediation Products, Inc. (RPI) and RPI Group.

Our 10-year “walkabout” prior to RPI produced some core values that exist today and will continue indefinitely. We believed that the formula for success was having superior products, leading-edge processes to apply those products, and surrounding ourselves with people equally committed to doing the right thing the right way. If I have any legacy at all, it might be the words I spoke several years ago regarding The RPI Group Approach.

Nothing is going to change much at RPI. Ed Winner joined our company last February and will take over some of my responsibilities along with adding his scientific skills & experience with the regulatory community to RPI’s toolbox. Scott is energized and will continue to improve our products and search for new ones. Although my daily participation in the company is ending, I’ll be helping on occasions.

Now, a word about my friend Scott Noland. The only thing that truly annoys me about Scott is that he runs a 10k faster than me. Seriously, he is perhaps the most brilliant individual that I have ever known. His leadership of this enterprise continues and it’s not a stretch to say that the best is yet to come.

Thanks pal – It’s been a great ride.

Kind Regards,
Bob Elliott, CEO
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NYSCPG NEWS & UPDATES

The NYSCPG received approval from the New York State Education Department (NYSED) on September 20, 2021, as an entity authorized to approve providers of continuing education for professional geologists. As a reminder, the continuing education bill for geologists, engineers, and land surveyors was signed into law in November 2020, and takes effect on January 1, 2022. The law will require professional geologists to complete thirty-six hours of continuing education during each triennial registration period.

Please see the [FAQs](#) page on page 77 to answer any questions or visit the [NYSED website](#) for more information.

Also, on December 22, 2021, New York Governor Kathy Hochul signed AB 4328 into law. The law provides for the designation of geologically significant areas, territories and sites throughout the state, and for the establishment of a state geological trail. The bill contains a list of potential geoparks and sites. See if your favorite made the list!

You can read the bill here: [AB 4328, by Englebright](#)

(End)



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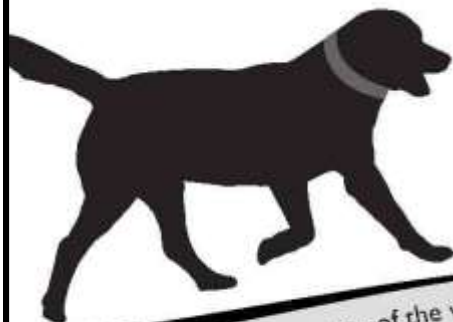
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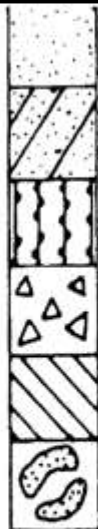
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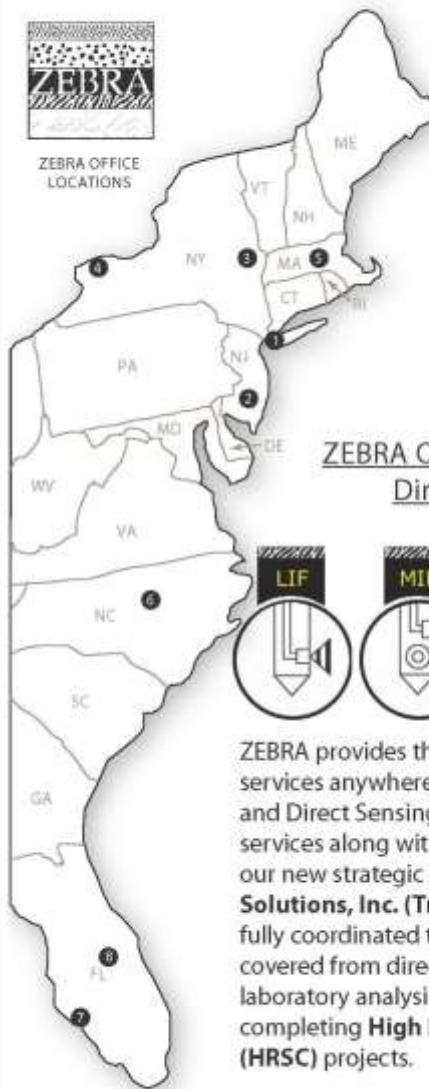
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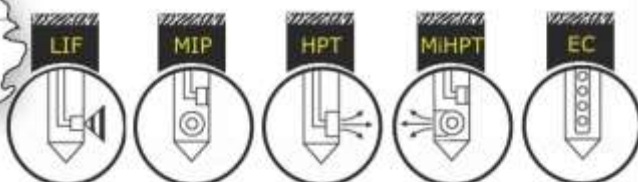
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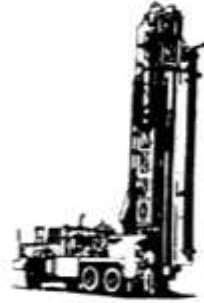
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News of Members

Michael Grifasi, CPG-11489 PG (WA, NY) NE/AIPG Past President

Very happy to welcome in the New Year at Ramboll in Syracuse! I'm on my second month at my new job, which coincides with the beginning of my sixth year in the NE Section AIPG president's role (year two of past president). While I'm still in the on-boarding process at Ramboll, I have gotten my hands on some really fun project work so far – working largely on NYSDEC sites, with some PFAS sprinkled in. I'm writing this just as we're about to peak with post-holiday COVID cases – something, like everyone else, I'm looking forward to getting past. Although, I'm still able to rock climb indoors (in a mask!) and occasionally play a show with my band Sonic Youke. Just looking forward to the day when I can do those things without worry.

I hope everyone has a safe and healthy 2022!

(End)

(Minutes continued from page 43)

December 2021 MEETING MINUTES

NE SECTION – AIPG EXECUTIVE COMMITTEE MEETING MONDAY, December 6, 2021

Adelina Prentice	Michael Grifasi	Bob Blauvelt
Jeff Frederick	Kelly Weyer	Luanne Whitbeck
Laurie Scheuing	Chris Brown	Dick Young
Dennis McGrath	Jennifer Rhee	Mitch Ward

Secretary's Report (Minutes)

- ♦ September 2021 – Motion to accept minutes as written, seconded and accepted.

Treasurer's Report

- ♦ October -November 2021 – The section fund is in good standing, with deposits to route to the ATMGS fund and from the short course.
- ♦ The Angelo Tagliacozzo Memorial Geological Scholarship (ATMGS) fund has seen some ups and downs over the last 2 months, but overall has been stable.

Correspondence – No updates.

Old Business

- ♦ Website Contact Information Edits – Some updates have been made.
- ♦ Zoom Platform Membership – Discussion on whether to cancel the Zoom membership. The opinions seem to lean toward keeping it month to month for individual meetings.
- ♦ Short Course Update – Drone Short Course – Virtual Version – Overall the course had good feedback and had a pretty good turnout. There is a pretty good market for online short courses, and in the figure if we do an in person course we should consider having an online component. Targeting 1 short course per year would be a good overall goal.
- ♦ Fall Meeting – The meeting was successful and sponsorship was good. A discussion followed on how to get more visibility to the sponsors during the meeting itself.

New Business

- ♦ Meeting Schedule 2022 (January 10th, March 8th, May (Spring Meeting 2nd week), July 11th, September 12th, October (Fall Meeting 2nd week), December 5th.
 - ◇ Survey Monkey review – Mondays 4-6 was the most popular time.

(Minutes continued on page 61)



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CNYAPG Zoom Meeting Wednesday, 6 PM, 2/16/22

NOTE: This presentation has been approved for 1 NY PDH toward your NY-PG Continuing Education Requirements and is a virtual event. You can attend from anywhere!

Dr. Robert Darling (SUNY Cortland) will present: *Tiny mineral inclusions yield clues to the origin of the world's largest garnets, Gore Mountain, NY.*

Abstract: In the last few years, mineral inclusion studies in the world's largest garnet crystals from the Barton Mine at Gore Mountain, New York, has revealed metastable igneous phases such as cristobalite and kumdykolite, and remarkably, preserved primary glass. The metastable phases are interpreted to be trapped tonalitic to trondjhemitic melts. My European colleagues and I infer that injection of H₂O caused incipient melting of gabbro and concurrent growth of large garnet, rather than the long-held hypothesis that the garnet grew in the presence of only supercritical H₂O.

Please register through the CNYAPG website: www.cnyapg.org

Registrants will receive Zoom login instructions the morning of 2/16/22.

Please enjoy the February 2022 CNYAPG newsletter: [CNYAPG February 2022 newsletter.pdf](#)

(Minutes continued from page 57)

New Business (cont.)

- ◆ Transition ExCom Roles
- ◆ 2022 Scholarship Committee Update – Applications went live in mid-September, with emails going out to all the contacts we had in the database. As of now, we have had 10 applications started, and will update once the deadline has passed on how many complete applications were received.
- ◆ Spring Meeting – Discussion on possible venues, and whether we should consider in person.

Publications

- ◆ Newsletter – Holiday newsletter has come up, and we are glad that Kim will be returning for 2022. Deadline for upcoming newsletter is Jan 10.
- ◆ Advertising Sales Update & Income – Information is almost ready to send out and advertisers can decide whether to pay in 2021 or 2022. We received several new advertisers, and we should continue to reach out and grow.

Motion to adjourn was made and approved at 5:29.

(End)

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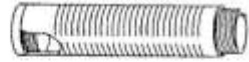
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***Why Isn't Your Name
On This List?
Solve it!
Simply see Pages 75-76
and then***

Move into Action!

(End)

Celebrating 36 Years of Scholarships!

The Angelo Tagliacozzo Memorial Geological Scholarship

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

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

ANGELO TAGLIACOZZO (1936 - 1986)

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

THE SCHOLARSHIP

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

YOUR CONTRIBUTIONS

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

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

NE/AIPG Geological Scholarship Trust Fund
c/o Bob Blauvelt
345 Stuyvesant Avenue , Lyndhurst, New Jersey 07071

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

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

For further information, contact Kelly Weyer:

neaipg.atscholarship2@gmail.com

Memorandum

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

From:

Date:

Re: *I'm Taking the Pledge: **I'M IN FOR 2022!***

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 2022!

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 2022!

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 2022**, 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 2022**, 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 2022, I am pledging the amount indicated below, and I will provide payment via check, or will pay online at <https://ne-aipg.org>. I indicated my donation amount and payment method below with an "x" on the appropriate statements:

_____ \$35 a Week (\$1820 for 2022)

_____ \$35 a Month (\$420 for 2022)

_____ \$35 a Year (\$35 for 2022)

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

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

_____ I have emailed you this letter, and I will pay the donation online. If my payment is not received within 30-days of receiving this letter, please invoice me and I will agree to pay as soon as possible, and no later than by 12/1/2022.

Signed: _____

Name Printed: _____

Address: _____

Email Address: _____

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

- or -

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

CONTINUING EDUCATION RESOURCES AND GUIDANCE

NYSCPG wants to bring your attention to updates to NYSED's Office of Professions [webpage](#) for Continuing Education for Professional Geologists. In particular, see FAQ #5, which is provided here for your convenience:

When will I be required to report completion of continuing education?

Beginning January 1, 2023, professional geologists will be required to complete 36 contact hours of continuing education during each three-year registration period.

If you are renewing the registration of your license on or after January 1, 2023, the number of contact hours you will be required to complete and report will vary, depending on when your current registration expires. You will be required to complete continuing education at a rate of 1 hour per month beginning January 1, 2022 to the date your registration is due to be renewed for a maximum of 36 hours. Please refer to the following chart for specific information on the number of continuing education hours required.

Date Registration Renewed	Number of Continuing Education Hours Required
1/1/23	12
2/1/23	13
3/1/23	14
4/1/23	15
5/1/23	16
6/1/23	17
7/1/23	18
8/1/23	19
9/1/23	20
10/1/23	21
11/1/23	22
12/1/23	23
1/1/24	24
2/1/24	25
3/1/24	26
4/1/24	27
5/1/24	28
6/1/24	29
7/1/24	30
8/1/24	31
9/1/24	32
10/1/24	33
11/1/24	34
12/1/24	35
1/1/25 or later	36



(End)