



# Ohio Section

## American Institute of Professional Geologists

Chartered 1965

September 2024 Newsletter

### 2024 Executive Committee Officers

#### **President**

Michael Friedhoff, CPG-11093

#### **Past President**

Dave Follett, CPG-12034

#### **Secretary**

Paul Chasco, CPG-12024

#### **President-Elect**

Dave Follett, CPG-12034

#### **Treasurer**

Hugh Downer, CPG-11815

#### **Members-at-Large**

Hannah Weaver, ECP-1014

Michael Giggard, MEM-3726

Michelle Torres, MEM-2972

### Chairmen

#### **Awards Chair**

Robert Andrews, CPG-11975

#### **Membership Chair**

Tom Jenkins, CPG-07892

#### **Historian**

Brent Huntsman, CPG-04620

#### **Screening Chair**

Craig Cox, CPG-07612

#### **Student**

Open Position

#### **Regulation/Legislation**

Open Position

#### **Newsletter Editor**

Paul Chasco, CPG-12024

#### **Website**

Nelson Novak, CPG-12102

## APG Ohio Section Fall Meeting

### Toward an Understanding of Lunar Geology: Humanity's Role and Ohio's Legacy, Past and Future

**Presenter:** Dr. Claire McLeod, Associate Professor of Geology  
& Environmental Sciences at Miami University

**Date:** Thursday, October 10, 2024

**Location:** Miami University – Shideler Hall  
Adjacent to the Karl E. Limper Geology Museum  
250 South Patterson Avenue  
Oxford, OH 45056

**Schedule:** Social hour begins at 5:00 pm followed by Dinner  
at 6:00 and Presentation at 7:00

**Event Registration Payment:** <https://aipg-ohio.org/meetinginfo.php>  
See Page 14 for event details

### Also In This Issue:

### PAGE

<b>Message from the President, Mike Friedhoff, CPG-11093</b>	2
<b>Upcoming Events</b>	4
<b>Sixth Annual Charity Golf Scramble Recap</b>	5
<b>Ohio Section 2024 Spring Meeting Recap</b>	11
<b>Ohio Section 2024 Fall Meeting Abstract</b>	14
<b>Photographs</b>	16
<b>Letters to the Editor and Editorial Submittal Guidelines</b>	19
<b>Advertiser index</b>	20



## Message from the President

**Mike Friedhoff, CPG - 11093**

Greetings Fellow AIPG Ohio Section Members,

As we transition into the fall season, I hope this message finds you well and invigorated by the opportunities that lie ahead. September is a month of change and renewal, and it's a fitting time for us to reflect on our progress as the AIPG Ohio Section and set our sights on the future.

First and foremost, I want to express my gratitude to all of you who have contributed to our chapter's success this year. Whether through participation in our events, contributing to our discussions, or volunteering your time and expertise, your dedication is what keeps our chapter thriving.

Over the past few months, we have accomplished a great deal. From the successful Golf Scramble to quarterly meetings, our chapter has continued to provide valuable resources for the student chapters and opportunities to our section members for networking and professional growth.

Attending the AIPG National Conference gave President-Elect Dave Follett and myself a chance to interact with leaders from other sections and discuss strategies to encourage growth. Learning from current and past leaders, it was interesting to learn what has worked for other sections, and what hasn't. We want to continue to be one of the more active sections and we have some additional ideas to keep members involved and grow. If you have ideas or initiatives you'd like to see implemented, please don't hesitate to reach out.

As we look ahead, I encourage you all to stay involved and take advantage of the upcoming events we have planned. Our Fall meeting is just around the corner at Miami University on October 10th, and I'm excited about the keynote speaker we have lined up. Dr. Claire McLeod has an very interesting talk on the geologic history of the moon. This will be an excellent opportunity for us to gather, share knowledge, and discuss the future of our profession.

Lastly, I want to remind everyone of the importance of staying connected. In a field as dynamic as ours, the strength of our network is crucial. Let's continue to support each other, share our experiences, and collaborate to advance our collective goals.

Thank you for your continued commitment to the AIPG Ohio Section. I look forward to seeing many of you at our upcoming meeting and hearing your thoughts on how we can continue to grow and improve.

Best regards,

Michael J. Friedhoff, CPG-11093  
2024 AIPG Ohio Section President



## EAGON

& ASSOCIATES, INC.

100 W Old Wilson Bridge Rd. Suite 115  
Worthington, Ohio 43085  
eagoninc.com | 614.888.5760

### Hydrogeologic Consulting

- Groundwater Supply Evaluation and Management
- Siting and Monitoring of Waste Facilities
- Investigation & Remediation of Aquifer Contamination
- Mining and Construction Dewatering
- Groundwater Modeling
- Residential Well Monitoring and Impact Mitigation

U.S.T. Environmental Contractor is your reliable business partner to assist with:

- Underground and above ground storage tank removals and installations
- Management of investigation derived waste and other drummed wastes
- Demolition projects
- Soil excavation, treatment, and disposal
- Emergency response
- Vacuum truck services
- Pressure washing/pipe jetting
- Roll-off container services



## Environmental Contractor

Balancing the needs of industry with concern for the environment since 1995

- Pre-construction services
- Multiphase Liquid Recovery



Visit us on the web: [www.ust-env.com](http://www.ust-env.com) or call 800-UST-1727 for more info.

**Wilmington, Ohio****Columbus, Ohio**

### AIPG Ohio Section 2024 Schedule

September 19, 2024	AIPG Town Hall for Section Officers
September 20, 2024	AIPG National Executive Committee Virtual Monthly Check-In Meeting
October 10, 2024	Fall 2024 Meeting Dr. Claire McLeod at Miami University
October 11 – 13, 2024	Greater Detroit Gem, Mineral, & Fossil Show (Macomb Community College)
October 18, 2024	National Executive Committee Virtual Monthly Check-In Meeting Beginning
October 23, 2024	of Earth Science Week
November 15, 2024	National Executive Committee Virtual Monthly Check-In Meeting
November 20, 2024	International Professional Geology Conference (Spain)
November 2024	Ohio Section 2024 Annual Meeting location and speaker to be determined

We are hoping to announce other events. Please check out our website frequently: [aipg-ohio.org](http://aipg-ohio.org)

Last Tuesday of every month – AIPG Lunch and Earn @ 1:00 PM Eastern

Have an event you want to add, please send submittals to the editor at [pchasco@nrmsolution.com](mailto:pchasco@nrmsolution.com) or [pdchasco@gmail.com](mailto:pdchasco@gmail.com).



## White Oak Environmental & Safety

**4026 North Hampton Drive | Powell, OH 43065 | (614) 389-1430 | [www.whiteoakenv.com](http://www.whiteoakenv.com)**

### **New Dedicated Well Cap Assemblies for Bladder Pumps**

**Works with all bladder pumps on the market!**

**2" & 4" Caps Available.**

**Hi-Viz Black Ring for Water Level Measurement at Original TOC Elevation.**

**1/4" or 3/8" Discharge Available.**

**Dedicated Discharge Tubing Option Stores in Water Level Access Hole.**

**Complete Custom Dedicated Assemblies w/ QED, Solinst or Geotech Pumps Available.**

**Also Available for 12 VDC Pumps**



# AIPG Ohio Section Sixth Annual Charity Golf Scramble

By: Robert Andrews, CPG-11975



On June 21<sup>st</sup>, the Ohio Section of AIPG hosted its 6<sup>th</sup> annual charity golf scramble to benefit the student chapters of the section. While it was very hot day, a record setting 52 golfers comprising 13 teams played the 18 holes of the Chapel Hill Golf Course located in Mt. Vernon, OH. Prior to the 9 am tee time, all registered players received a swag bag of golf balls and tees provided again by White Oak Environmental. At the conclusion of the scramble, golfers were treated to a late lunch of bratwurst, hamburgers, and potato salad provided by Chapel Hill in their air-conditioned club house. Then golfers participated in the famous raffle of donated items. At the conclusion of the event each player received a bottle of wine donated by ALS Environmental. This year's event raised over \$2,300 to support our student chapters at Ohio State University, Wright State University, Youngstown State University, and newly formed chapter at Miami University of Ohio.

An event like this could not have been held without the generous support of our sponsor. This year, our Team Sponsors were ALS Environmental, Buckeye Elm Contracting, Civil & Environmental Consultants, Environmental Remediation Contractor, Pace Analytical, SME, and Win Waste Innovations. Hole Sponsors were Bowser Morner, K3 Complete, and RockWater Drilling. White Oak Environmental was an exhibitor and provided a swag bag for each golfer.

## AIPG Ohio Section Charity Golf Scramble

### SPONSORS

Exhibit Sponsors	Hole Sponsors	Team Sponsors

### DONATED ITEMS

Raffle	Wine	Swag Bags

This year’s raffle items were donated by AIPG, ALS Environmental, Bowser Morner, Chapel Hill, Dick’s Sporting Goods, David Follett, Environmental Remediation Contractor, Manning’s Rock Shop, Pace Analytical, Patriot Engineering and Environmental, RockWater Drilling, Rough Stone Rocks, Starbucks, TopGolf, and White Oak Environmental.

**2024 AIPG Ohio Section Charity  
Golf Scramble Results**

<b>Team</b>	<b>Score</b>
Team ALS	59
Team Buckeye Elm 2	61
Team ERC	62
Team Buckeye Elm 1	63
Team SME	63
Team Win Waste	64
Team Roth	69
Team CEC	73
Team Pace	74
Team RockWater	76
Team Patriot	77
Team Eagon	78
Team K3	Did Not Finish



**Wine Provided by ALS Environmental**



The first-place winner of this year’s scramble was Team ALS with a score of 59. This team consisted of Ben Dressman, Eric Koch, Joe Riber, and Cory Schoonover.

Finishing second with a score of 61 was Team Buckeye Elm 2. This team consisted of Brandon Markey, Bruce Markey, Matt Kestner, and Mike Leone.



Placing third at this year’s event was Team ERC with a score of 62. The team members were Josh McKinney, Andy Shipley, Seth Swearingen, and Dave Walker.



Both Team Buckeye Elm 1 and Team SME finished with a score of 63, four strokes behind the winning team. The players on Team Buckeye Elm 1 were Joel Miller, Rob Patridge, Noah, Streich, and Jason Wilt. Team SME consisted of Ben Chenoweth, Ollie Damschroder, Colin Flaherty, and Jason Jordan.



Placing fifth at this year's event was Team Win Waste with a score of 64. The team members were Mitch Appleman, Devin Borer, Nick Jones, and Nathan Taylor.

Team Roth (Craig Hackman, Andy Musilli, Howard Prigosin, and Robin Roth) finished sixth with a score of 69.



Team CEC (David Follett, Michael Giggard, Andy McCordle, and Brent Smith) finished with a score of 73.



Finishing eighth was Team Pace (Ryan Gerbitz, Zach Goetsch, Andrew Halko, and Devin Starr) with a score of 74, fifteen strokes behind the winning team.

Team RockWater (Joe Hensley, Barb McGovern, Eddit Moravec, and Ricky Shanks) finished with a score of 76.



Placing tenth at this year's event was Team Patriot with a score of 77. The team members were Mike Weinstein, Ray Patrick, Joe Lyons, and Michael Friedhoff.

Team Eagon (Shay Beanland, Lauren Decker, Ray Jones, and Nelson Novak) finished eleventh with a score of 78.





Due to the extreme heat, Team K3 played but was unable to finish. The players on this team were Steve Blackledge Jessica Callaway, Joe Factor, and Keith Mitchel.

There were two skills contests during the scramble. Winner of the longest drive was Mitch Appleman of Team Win Waste. Winner of the closest to pin contest was Eric Koch of Team ALS.

An event like this could not have occurred without the support of our golf outing committee consisting of Robert Andrews, Hugh Downer, Michael Friedhoff, Michael Giggard, Michelle Torres, and Hanna Weaver. As always, Chapel Hill Golf Course staff were incredibly helpful during the entire process and made everything run smoothly on the day of the event

Overall, the Ohio Section's sixth charity golf scramble was a rousing success and an enjoyable event for all who attended even though it was an extremely hot day. The Section appreciates of all participants who attended and the sponsors that contributed to the outing. The Executive Committee looks forward to using the over \$2,300 for our student chapters. Thanks again to all participants and sponsors. We look forward to seeing you again in 2025!





## Terran Corporation

*Environmental Services*

Protecting, Restoring and Enhancing the Environment

### ☐ Water Resources

- Groundwater Exploration, Development & Sustainability Solutions
- Source Water Protection Stratagems
- Aquifer Testing & Analyses
- Groundwater/Surface Water Linkages
- Water Quality/Quantity Assessments
- Flow & Solute Transport Modeling
- Hydrogeologic Investigations
- Expert Witness Services & Testimony
- Thermometric Monitoring Programs

### ☐ Contaminant Remediation

- Surface/Subsurface Contaminant Evaluations & Corrective Actions
- Electrokinetic-Based Systems
- Salt & Brine Contamination - Investigation & Remediation
- In-Situ Treatment Technologies

### ☐ SACON Ranges & Structures

- Environmentally Protective & Safe Firing Ranges - Shoot Houses for Military & Law Enforcement

4080 Executive Dr., Beavercreek, OH  
(937) 320-3601    www.terrancorp.com

Providing services locally, nationally and internationally for 40 years.

## Complete environmental site work

- Environmental Remediation
- Environmental Construction
- Demolition



**Complete**

K3 Complete, LLC

Proudly supporting AIPG.

For additional info  
or a project quotation  
contact:

**Joe Factor**

**614.562.4730**

**JFactor@K3Complete.com**



right solutions.  
right partner.

# Ohio Section 2024 Spring Meeting Recap

*Feature Presentation:* **Boulders, Bedrock, and Brewing Water: How Geology has Influenced the History of the Dayton Area**

*Presented By:* **Dr. David Schmidt, recent past-Director of Undergraduate Programs in the Department of Earth and Environmental Sciences at Wright State University**

By Hannah Weaver, ECP-1014

On April 11th, 2024, the Ohio Section held its Spring Quarterly Meeting at Wright State University (WSU) in Dayton, Ohio. Being at the University, the event was well attended by the student members of the Wright State University AIPG Student Chapter, as well as WSU professors and professional AIPG members. The event began with a social hour allowing student and professional members time to mingle.

The social hour ended with welcoming remarks from President Michael Friedhoff (CPG-11093). President Friedhoff highlighted several announcements, including a reminder about the 6th Annual Golf Scramble coming up in June, the AIPG National Convention coming up in August, and the next AIPG-Ohio Section meeting that will be held in September. The welcoming remarks were concluded with a recognition of the generous contributions from our meeting sponsors, ALS Environmental, Buckeye Elm Contracting, Environmental Risk Information Services, K3 Complete, Lightbox, Ohio Soil Recycling, Pace Analytical Services, and White Oak Environmental & Safety.

As a Gold Level Sponsor of the event, Tamara Turcany and Lindsay Star of Pace Analytical Services followed President Friedhoff's remarks with an advertisement for the laboratory. They offered guide documents and information on consultations.

Following these remarks, the advisor for the WSU AIPG Student Chapter, Dr. Stacey Hundley, addressed the attendees and advertised two raffle options that the Student Chapter had put together. Dr. Hundley then introduced the Executive Committee for the Student Chapter, President - Gabby Crossman, Vice President - Kenny Rienhard, and Secretary - Herschel Case. An additional member of the Student Chapter was also introduced, Anna Quick, who has been instrumental in the chapter's garden project. This garden project will host native prairie grasses and vegetation and feature Ohio-found rock specimens and fossils. The Student Chapter may be seeking rock samples from Ohio Section members to add to this project. They hope to have this project complete by the fall Ohio Section meeting, of which they intend to host and display their finished garden.



Wright State AIPG Student Chapter advisor Dr. Stacey Hundley

After all remarks were concluded and the attendees finished their meals, Student Chapter President, Gabby Crossman, was introduced again to introduce the evening's speaker, Dr. David Schmitt. Dr. Schmitt is a past-Director of Undergraduate Programs in the Department of Earth and Environmental Sciences at WSU. As a Dayton-native and geology



Wright State AIPG Student  
President Gabby Crossman

undergraduate and Masters alumni of WSU, Dr. Schmitt's passion for both the anthropogenic and geologic history of the local area was evident in his presentation, which was titled "Boulders, Bedrock, and Brewing Water: How Geology has Influenced the History of the Dayton Area." Although he was hesitant about "following a total solar eclipse", which had just occurred across the area the day before, the audience was engaged and seemed to thoroughly enjoy his presentation.

Dr. Schmitt's presentation featured a broad-brush overview of Dayton-area geology and how it affected development. He began with a discussion of the local bedrock formations and the history of the study of the geology in the area. Dr. Schmitt explained how the Paleozoic-age Brassfield and Dayton Formation were commonly used for making cement and buildings, respectively. Pieces of the Dayton Formation from the historic McDonald Quarry, which famously produced "the finest stone in the state", were even used in the Washington Monument, as well as other historic sites around Dayton and Ohio. Dr. Schmitt also explained how throughout the geologic history of the area, sea level fluctuations and the significant post-Paleozoic retreat resulted in the erosion of these bedrock formations. This formed large river channels and valleys throughout Ohio. Subsequent glacial advances changed the landscape again by covering the bedrock with glacial till deposits. The melting

glaciers shaped the landscape once again through their retreat and deposited sand and gravel within the bedrock valleys.

After explaining the background of the geologic history of the area, Dr. Schmitt then led into a discussion on how that has affected local human history by influencing waterways and rivers. Dr. Schmitt explained that the sand and gravel that filled the bedrock valleys now act as a natural purification system for groundwater. This has resulted in a thriving and healthy natural water system in the Dayton area. However, these factors also result in significant flooding throughout the Dayton area, which is recorded in local human history and still evident in the present day.



Dr. Schmitt giving his presentation.

Despite that, Dr. Schmitt explained how water-intensive industries could thrive in the area and there have been several marketing efforts to attract such industries to Dayton.

After questions from the audience, President Friedhof presented Dr. Schmitt with a plaque of the Ohio State Fossil, the trilobite (*Isotelus Maximus*), as a token of appreciation. Attendees joined in thanking Dr. Schmitt with applause and appreciation.

A big thank you to all members that were able to attend the Spring Meeting, and to the 2024 Executive Committee for setting up the event! Lastly, another recognition and thank you to the meeting sponsors: ALS Environmental, Buckeye Elm Contracting,



Dr. Schmitt receiving the plaque with the plaque bearing the Ohio State Fossil.

Environmental Risk Information Services, K3 Complete, Lightbox, Ohio Soil Recycling, Pace Analytical Services, and White Oak Environmental & Safety.



Direct industry experience  
**WE OWN IT.**  
Manufacturing  
Mining  
Oil & Gas  
Power  
Public Sector  
Real Estate  
Solid Waste

CINCINNATI | CLEVELAND | COLUMBUS | TOLEDO  
www.cecinc.com  
888.598.6808



Civil & Environmental  
Consultants, Inc.



**Xenon Geosciences, Inc.**  
geology & geophysics  
52 W. Broadway Street  
Danville, IN 46122  
(317) 745-0002

# Ohio Section 2024 Fall Meeting

**Feature****Presentation:**

Toward an Understanding of Lunar Geology:  
Humanity's Role and Ohio's Legacy, Past and Future

**Presented By:**

Dr. Claire McLeod, Associate Professor in the Department of  
Geology & Environmental Earth Sciences at Miami University

The Ohio Section of AIPG is pleased to host Dr. Claire McLeod, at the Section's Fall Meeting presentation, which will take place Thursday, October 10, 2024 adjacent to the Karl E. Limper Geology Museum at Miami University Shideler Hall located at 250 South Patterson Avenue in Oxford. Dr McLeod will be presenting a talk on the geology of the moon and what has been discovered from samples returned from the Apollo missions. This event is sponsored by ALS Environmental, Buckeye Elm Contracting, ERIS - Environmental Risk Information Services, K3 Complete, Lightbox, Ohio Soil Recycling, Pace Environmental Services, and White Oak Environmental & Safety.

The event begins at 5:00 pm with social hour, followed by dinner at 6:00, and the feature presentation at 7:00. The cost is \$35 for members and guests or \$15 for students. Please preregister and submit payment for the event via the AIPG Ohio Section website <https://aipg-ohio.org/meetinginfo.php>.

---

*The featured topic will be on the geology of the moon presented by  
Dr. Claire McLeod*

**SUMMARY**

Please join us for a presentation by Dr. McLeod regarding the moon. Understanding the formation of the Earth's Moon has captivated the interest of scientists for generations. As a time capsule within our inner Solar System, it preserves over 4 billion years of history and records evidence of numerous planetary-forming processes. In recent years, it has also emerged as a target for establishing a permanent human outpost in space and is thus at the frontier of human space exploration. Much of our knowledge regarding lunar evolution is derived from the physical samples that have either been returned from known locations on the Moon's surface (i.e., via the Luna, Apollo, and Chang'e missions) or meteorites discovered here on Earth. Each of these fragments represents a unique piece of the Moon's geologic history from the ancient volcanoes that spewed lava onto the surface to the high-energy impacts that formed the largest basins in our Solar System. This presentation will tell the geological story of our Moon through the lens of its rock and mineral fragments and consider the implications of humanity's plans for future discovery and exploration.

**Bio:**

Collectively Dr. McLeod and her students work to investigate geological processes on a wide range of terrestrial and extraterrestrial materials in order to broaden our understanding of planetary evolution and differentiation. This is achieved through a combination of field work, macroscopic and microscopic petrological observations, and detailed geochemical and geochronological analyses. More information can be found through the links above.

Through my student-centered approach to STEM education and training, in both teaching and research, I endeavor to support student success through numerous evidence-based approaches. Through focused and evidence-based approaches to STEM education I strive to establish an inclusive learning environment which prepares students for career success, professional advancement, and personal growth. It is my intent that students from all backgrounds and perspectives be welcomed and supported in our research group, that students' research and learning needs be addressed, and that

the diversity that we all bring to our group be viewed as a resource, strength, and benefit to all. It is always my intent to present materials and activities that are respectful of diversity: age, country of origin, culture, disability, ethnicity, gender identity, race, religion, sexual orientation, socioeconomic status, veteran status, perspective, and other backgrounds. All discussions and suggestions regarding the value of diversity in this research group, the geosciences, and STEM are always encouraged.



### Environmental/ Geotechnical Drilling

- Environmental Drilling, Sampling, and Well Installation
- Geotechnical Investigation and Instrumentation Installation
- Mineral Aggregate Exploration
- Advanced Capabilities Including ATV Rigs
- Angle Drilling – Marine Drilling



Stephen R Wright      Office: 330-263-7725      Cell: 330-465-6685      E-Mail: [swright@rockwaterdrilling.com](mailto:swright@rockwaterdrilling.com)  
[www.rockwaterdrilling.com](http://www.rockwaterdrilling.com)  
Sonic – Hollow Stem Auger – Direct Push – Air/ Mud Rotary

# Responsive.

Resourceful | Reliable

For more than 50 years, Terracon has provided solutions to environmental, facilities, geotechnical, and materials engineering challenges. Our national network of more than 140 offices coast-to-coast provides local expertise backed by national resources to get the job done. On both small and large projects, our more than 4,000 employee owners work closely with our clients to achieve success on time and on budget. **Call us for your next project.**

**Terracon**

Ohio Offices  
Cincinnati (513) 321 5816  
Cleveland (216) 459 8378  
Columbus (614) 863 3113  
[terracon.com](http://terracon.com)

**Environmental   ■   Facilities   ■   Geotechnical   ■   Materials**

## Photograph Submittal Guidelines

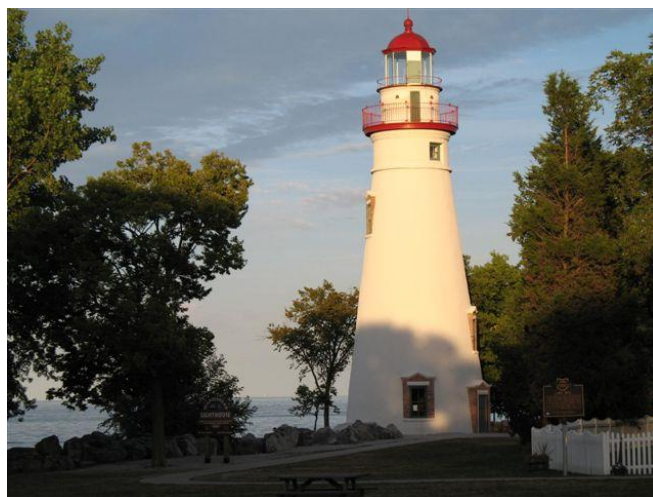
The Ohio Section welcomes and encourages members to submit photographs for the newsletter. We are looking for photographs with short captions that you think are interesting or showcase geology and geologists at work. Topics of interest include scenery, geologic disasters, interesting or historical geologic events, interesting work sites, and similar topics. Contributing photographers are requested to abide by the following guidelines to ensure civility and professionalism.

1. Submissions should include your name and membership number.
2. Title of the photograph and year the photograph was taken.
3. A brief description of the photograph.
4. Names of any identifiable persons in the image and permission to publish their photo. No minors please.
5. Please do not submit photographs with confidential or proprietary information.
6. The Ohio Section also welcomes and will consider relevant photographs from non-members, provided contributions abide by the above stated guidelines.

Contributions to the Ohio Section newsletter do not necessarily reflect the opinion of the Ohio Section or the editor. We reserve the right to choose photographs published for space considerations. Please send submittals to the editor at [pchasco@nrmsolution.com](mailto:pchasco@nrmsolution.com) or [pdchasco@gmail.com](mailto:pdchasco@gmail.com).



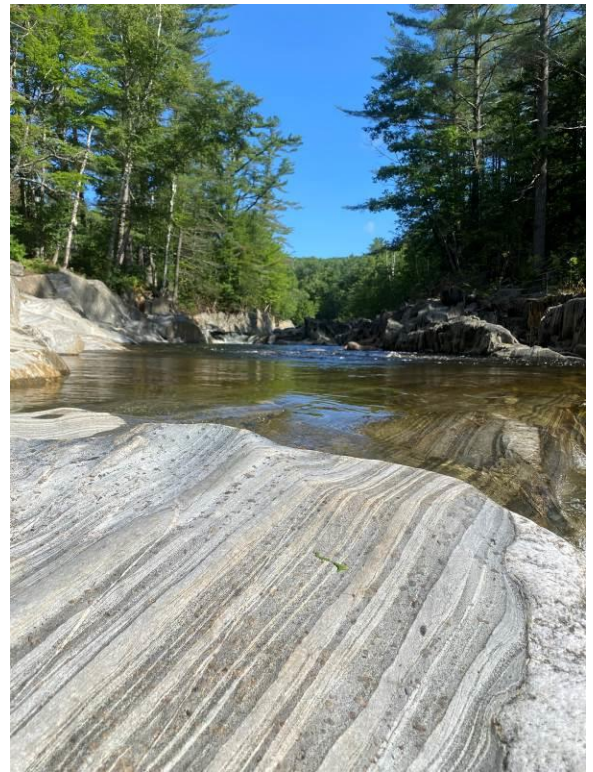
Photograph submitted by Paul Chasco, CPG 12024. Photograph taken in July 2024. Headwaters of the Mississippi River. At this point, the Mississippi River flows from the north arm of Lake Itaska 2,552 miles to the Gulf of Mexico with a vertical drop of 1,475 feet.



Photograph submitted by Paul Chasco, CPG 12024. Photograph taken in 2007. Marblehead Lighthouse. Marble Head Lighthouse located in Marblehead, Ohio is a great location to see the Silurian Bass Island Dolomite. The Cincinnati Arch passes through this area and the nearby Bass Islands in Lake Erie.



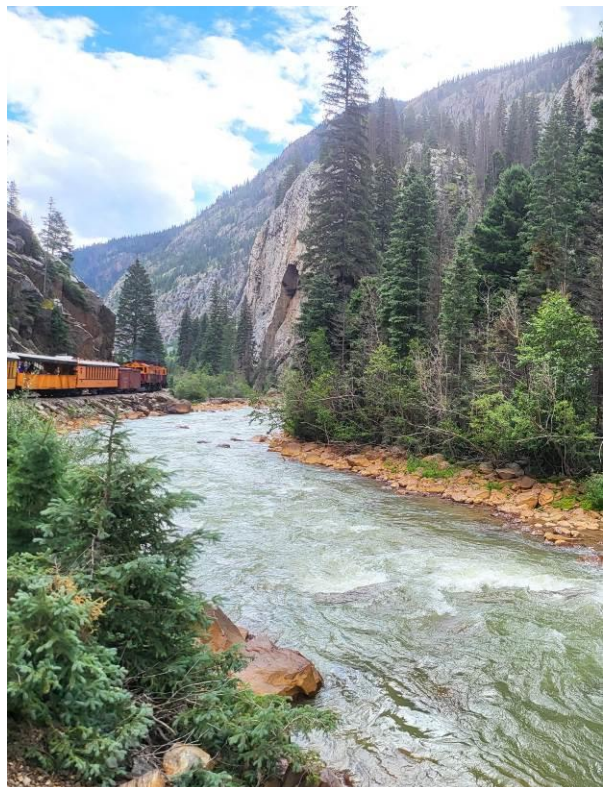
Photograph submitted by Hugh Downer, CPG 11815. Photograph taken in February 9 2024. Installing Large Diameter Public Water Supply Well Using Cable-Tool Drilling, Columbus, Ohio.



Photograph submitted by Hugh Downer, CPG 11815. Photograph taken in July 26 2024. Vertical Interbedded Quartzite and Schist Adjacent to the Swift River, Byron, Maine.



Photograph submitted by Hugh Downer, CPG 11815. Photograph taken in July 26 2024. Block of Schist with crystals of Staurolite and Andalusite Adjacent to the Swift River, Byron, Main.



Photograph submitted by Mike Friedhoff, CPG 11093. AIPG 2024 National Conference Field Trip - Rocks & Rails - Durango and Silverton Narrow Gauge Railroad, on August 13, 2024. Rocks in the background are the Irving Formation: folded and foliated metavolcanics, zircon U-Pb age of 1,200 Ma.



**BOWSER  
MORNER®**

**Build on our experience.  
Trust in our results.**



**Engineering & Environmental**

- Geotechnical Engineering
- Civil Engineering
- Environmental Services
- Drone Mapping

[www.Bowser-Morner.com](http://www.Bowser-Morner.com)



**Construction Support**

- QA/QC Testing
- Construction Materials Testing
- Field Testing
- Special Inspections

4518 Taylorsville Rd., Dayton, Ohio 45424



**Laboratory Services**

- Consulting Geology
- Geotechnical Laboratory
- Analytical Chemistry
- Calibration Services
- Radon Reference Lab

(937) 236-8805

### Letters to the Editor and Editorial Submittal Guidelines

The Ohio Section welcomes and encourages membership discourse via the Section newsletter on relevant geopolitical and geological topics, in accordance with our chartered purpose. Contributing authors are requested to abide by the following guidelines to ensure civility and professionalism.

1. Scientific interpretations should include accurate and effective references.
2. Opinion pieces should be presented with reasoning. Fellow members may choose to comment or challenge a submittal with their own contribution.
3. Authors must abide by the AIPG Code of Ethics. Any author who violates this code will not be published. Authors must be respectful to fellow members, all political parties, officials and candidates.
4. Letters to the Editor should be under one page in 12 pt. Arial font.
5. Member authors should provide their name and certification number.
6. The Ohio Section also welcomes and will consider relevant articles from non-members, provided contributions abide by the above stated guidelines.

Contributions to the Ohio Section newsletter do not necessarily reflect the opinion of the Ohio Section or the editor. We reserve the right to edit for clarity and space considerations.

Please send submittals to the editor at [pchasco@nrmsolution.com](mailto:pchasco@nrmsolution.com) or [pdchasco@gmail.com](mailto:pdchasco@gmail.com).

I'm not just looking for letters to the editor, I'm also looking for your articles. As the Ohio Section Newsletter Editor, I am working to engage our members and looking for content that you think our members would enjoy. I cannot do this by myself and I am asking for your submissions. I am looking for student papers, abstracts, ongoing research, technical articles, case studies, guides. and, of course, letters to the Editor. While I am limiting the space for letters to the editor, articles can be longer.

The guidelines are pretty simple (see above). All submissions must be professional and must not violate the AIPG code of ethics. Submissions must not be copy right protected or previously submitted for publication elsewhere. We will not publish articles that are clearly marketing for a product or company.

Articles submitted from January 1 to March 15 will be published in the spring newsletter. Articles submitted from March 16 to July 31 will be published in the Summer newsletter. Articles submitted from August 1 to October 15 will be published in the fall newsletter. Finally, articles submitted on or after October 16 will be published in the winter newsletter.

I look forward to reading and publishing your articles.



# SME

**INDEX OF ADVERTISERS**

ALS..... 10  
 Bowser-Morner, Inc..... 18  
 Civil & Environmental Consultants, Inc. (CEC)..... 13  
 Eagon & Associates, Inc. .... 3  
 Fondriest Environmental, Inc. .... 20  
 K3 Complete ..... 10  
 Soil and Materials Engineers, Inc. (SME) ..... 19  
 RockWater Drilling ..... 15  
 Terracon ..... 15  
 Terran Corporation ..... 10  
 UST Environmental Contractor ..... 3  
 White Oak ..... 4  
 Xenon Geosciences, Inc. .... 13

**FRIENDS OF THE OHIO SECTION**

American Association of Petroleum Geologists ..... <http://www.aapg.org>  
 American Geophysical Union..... <https://www.agu.org>  
 American Geosciences Institute ..... <https://www.americangeosciences.org>  
 Geological Society of America ..... <https://www.geosociety.org>  
 Miami University ..... <https://miamioh.edu/index.html>  
 National Ground Water Association..... <https://www.ngwa.org>  
 Ohio Aggregates and Industrial Minerals Association ..... <https://www.oaima.org>  
 Ohio Geological Society ..... <https://www.ohiogeosoc.org>  
 Ohio Oil and Gas Association ..... <https://www.ooga.org>  
 The Ohio State University ..... <https://www.osu.edu>  
 Society of Petroleum Engineers..... <https://www.spe.org>  
 Wright State University..... <https://www.wright.edu>

when your  
**research**  
 demands  
**quality data**

**FONDRIEST**  
 ENVIRONMENTAL, INC.

fondriest.com 888-426-2151