



Hudson - Mohawk Professional Geologists Association

M A Y
M E E T I N G

www.hmpga.net

May 17, 2023

Wingdale Quarry

Stope Development at Surface and Underground



**Speaker: Jason Kappel, P.G.
Director of Technical Services
Peckham Industries, Inc.**

This course is approved for 1 PDH

Abstract: This presentation will discuss how Peckham Industries' Wingdale quarry has improved efficiency and worker safety while fostering Peckham's sustainability and corporate citizenship goals. Operating for the past 27 years as an underground aggregate mine, Peckham constructed a 220-foot deep stope hole to connect a newly developed surface quarry to the existing underground aggregate crushing equipment. This serves as a conduit through which surface-mined aggregate is delivered to the underground crushers, thereby eliminating the need for multiple haul trucks and/or long conveyors. Additionally, the surface-to-underground stope hole connection has allowed for the preservation of a scenic viewshed, reduction in underground operational area, and the development of a more productive and safer surface quarry.

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M A Y M E E T I N G



About the Presenter: Since 2018 Mr. Kappel has been the Technical Coordinator for geologic, environmental, and regulatory compliance projects and oversees the Environmental and Quality Assurance/Quality Control Departments for Peckham Industries, Inc. Mr. Kappel is a licensed Professional Geologist in New York with over 20 years of experience as an environmental and geological consultant for projects in New York, Pennsylvania, Massachusetts and Vermont, concentrating in environmental permitting and compliance, water supply, and mine development/permitting/reclamation. Mr. Kappel has extensive project experience regarding overburden and bedrock characterization, geologic mapping, structural geology, and hydrogeologic evaluation. Jason earned his B.S. in Geology/Groundwater Hydrology and M.S. in Geology/Geochemistry from the Rensselaer Polytechnic Institute.

Reservations are required by Monday

May 15, 2023

Whether attending the dinner or only the in-person presentation

Register on-line at www.hmpga.net

Questions? Call or email Jonathan Dippert at (518) 786-7563 • j.dippert@ctmale.com

Cost: \$10.00 for student members*

\$25.00 for dormant geologists

\$30.00 for members

\$35.00 for non-members

In-person program only: Free

+PDH certificate available for: \$5.00 (member w/ dinner) •

\$10.00 (member for program only) • \$20 (non-member)

* Student dinner sponsorship available for qualifying students - contact Jonathan Dippert • j.dippert@ctmale.com

Location:	Century House	Time:	Social Hour	5:00pm
	997 New Loudon Road		Dinner	6:00pm
	Latham, NY 12110		Program	7:00pm

Sponsorship is available for this meeting! Dinner sponsors receive free dinner, a display table set up for the social hour and a 5-minute presentation to the dinner audience, prior to the presentation. Please contact Jonathan Dippert at j.dippert@ctmale.com for more information.

**** Stay Tuned ****

Summer Outing - June 21, 2023

**Field Trip to the Cave House Museum of Mining &
Geology
Howes Cave, NY**

*To be followed by meet-up for drinks, food, and good conversation at Frog Alley Brewing,
Schenectady, NY*

President's Message

Dear HMPGA Members,

We've made it through to the end of another year, save for the summer outing. Save the Date – June 21st at the Cave House Museum of Mining & Geology. More details to follow including the post-field trip meeting location.

Thank you to Felicia Bechtel for her lecture on geophysics during our April meeting and to our student participant, Holton Ike from Hartwick College for presenting his poster during the Student Exposition.

Our May meeting will include a presentation by Jason Kappel, P.G., Director of Technical Services for Peckham Industries, Inc. See the flyer in the newsletter for additional information and to register for the meeting.

At the April Board of Directors meeting, HMPGA awarded the Annual 2023 Field Camp Scholarship to Jason Hanania. Jason is a senior majoring in geology at the University at Buffalo. We look forward to hearing about Jason's field camp experience in an upcoming HMPGA newsletter.

Last Call for volunteers to assist with local schools attending field trips at the Cave House Museum of Mining & Geology. Upcoming trips include May 17, 18, 25 and 26. Please contact Joe Osso or Elizabeth Moore for additional information about volunteering. A volunteer training course will be held May 13.

The Board of Directors and myself would like to thank you all for your participation throughout the year. Without our members HMPGA would not be the success that it is. If you would like to be more involved with HMPGA, there is a vacancy on the Board and we are also looking for volunteers to assist with committees. Additionally, if you or any of your colleagues have a presentation that they would like to give at a future HMPGA meeting please contact Jon Dippert.

Thank you and I look forward to seeing you all this month's meeting,

Brian Taylor, P.G.

President 2022-2023

Volunteer Opportunities

Your opportunities here.

EVENTS

May HMPGA Meeting 5/17:
Century House

HMPGA Summer Outing 6/21:
The Cave House Museum of Mining &
Geology, followed by Frog Alley Brewing



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BOARD MEMBERS

Scott Hulseapple
(518) 348-6995

shulseapple@alphageoscience.com

Danylo Kulczycky
(315) 382-8777

DKulczycky@pwinc.com

George Pafumi
rockearth@aol.com

Stephen Truex
stefan.truex@hrpassociates.com

Dax Soule
Dax.Soule@qc.cuny.edu

Jonathan Dippert
j.dippert@ctmale.com

Matthew Dupee
mdupee@alphageoscience.com

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- ❖ Graphical Data Analysis/Mapping
- ❖ Geochemical Calculations/Modeling
- ❖ Statistical Analysis

Features from the Field: Dikes and Sills

Samuele Papeschi and Hannah Davies, May 30, 2022

A blog regarding dikes and sills with wonderful pictures from around the world.

See more here:

<https://blogs.egu.eu/divisions/ts/2022/05/30/features-from-the-field-dikes-and-sills/>



Dikes and sills intruding Dalradian quartzites, Donegal, Ireland. Photo © Prof. Alan Cooper (University of Otago)



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M A Y ' S G E O - C R Y P T O Q U O T E

CLUES: A = V, X = L, and D = P

(Note: Puzzle is a quotation related to geology. Each letter of the quotation is substituted by another letter.)

"VOI MRPPCV KS PV. IAIUIMV CM PTUCZI

XCPIMVKZI"

-YKOZ PEDOII

A P R I L ' S G E O - C R Y P T O C I P H E R S O L U T I O N

"A ROCK HAS NO DETECTABLE OPINION ABOUT GRAVITY" - TERRY PATCHETT

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2023 OPEN HOUSE SCHEDULE

(Second Sunday of Summer Months from 12-4 P.M.)

June 11, 2023

Thom Engel, local author and retired geologist, to present a talk on the history of Howes Cave and Howe Caverns at 2 P.M.

“Howe’s Cave Before It Was Howe Caverns”.

July 9, 2023

Dana Cudmore, local author and part-time historian, to discuss the history of various local mines at 2 P.M.

“Farming with Dynamite: The Forgotten Stone Boom in Schoharie County: 1890-1905”

August 13, 2023

Steve Oberon will discuss the local history from the point of view of an archeologist and architectural historian at 2 P.M.

September 10, 2023

Bill Youngs, semi-retired blaster, will entertain unwary visitors with a rip-roaring discussion of blasting over the years at 2 P.M.

- The Cave House Museum invites the community to bring their rocks and minerals to the Museum to see if our geologists can correctly identify them.
- Guides will be available for tours of the Cave House Museum, original entrance to Howes Cave, Yngvar Isachsen Rock Garden and Rock Outcrop area.

Please visit and support the not-for-profit, educational Cave House Museum of Mining & Geology in Howes Cave, NY.

Title: Environmental Geologist / Hydrogeologist

Company: C.T. Male Associates

Location: Latham or Poughkeepsie, NY

Brief Description: C.T. Male Associates, a multi-discipline consulting firm in the Northeast, is seeking a driven and hands-on Environmental Geologist / Hydrogeologist to join our Latham or Poughkeepsie, NY team. This full-time position offers a complete benefits package (including comprehensive health insurance, 401(k) plan, bonus program, educational assistance/professional development programs, company-paid life insurance, and much more), and a variety of exciting projects across disciplines with technical and managerial growth opportunities that provide the experience necessary to obtain/maintain your professional registration. The successful candidate has strong technical abilities, and excellent organizational and communication skills.

Links: Latham - <https://www.applicantpro.com/openings/ctmale/jobs/2636228-40142>

Poughkeepsie - <https://www.applicantpro.com/openings/ctmale/jobs/2637929-40142>

Title: Geologist / Hydrogeologist

Company: Alpha Geoscience

Location: Clifton Park, NY

Brief Description: Alpha Geoscience, a geological consulting firm in upstate New York, is seeking a geologist with 2-5 years of experience, with a Bachelor of Science Degree, or higher, in Geology. Experience or educational background in stratigraphy, structural geology, hydrogeology, petrology, and geological field methods is required. A detail-oriented individual with interest or experience in rock core logging and familiarity with drilling oversight is preferred. Candidate is expected to conduct field and office work related to mining, water supply, and environmental projects. Travel is required, as needed, to support project assignments. This is a full-time position and includes a complete benefits package including health insurance, 401(k) plan, and bonus program.

Link to Posting: <https://www.alphageoscience.com/about-us/career-opportunities/>

OFFICERS

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Brian Taylor
(518) 560-5907

BFTaylor@BrwnCald.com

Vice President

Josh Gowan
(518) 348-6995

jgowan@alphageoscience.com

Treasurer

Elizabeth Moore
(518)812-6984

Mooreelizabeth.07@gmail.com

Secretary

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HMPGA PROGRAM DIRECTORS

Being active in HMPGA is a fully volunteer activity that often demands a great deal of attention.
The following members chair this year's committees and we thank them:

Webmaster	Evan Rafferty	erafferty@alphageoscience.com
Newsletter	Josh Gowan	jgowan@alphageoscience.com
Educational Outreach	Joe Osso	Joseph.Osso@nysesda.ny.gov
Programs	Jonathan Dippert	J.Dippert@ctmale.com
Membership	Vacant	

HMPGA CALENDAR

DATE	SPEAKER	TOPIC
May 17, 2023	Jason Kappel, P.G., Peckham	Slope Development at Surface and Underground Mines
June 21, 2023	HMPGA Summer Event	The Cave House Museum and Frog Alley Brewing

OTHER EVENTS:

Watch our website (<http://www.hmpga.wildapricot.org/>), Facebook, and LinkedIn for announcements of future events!



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Eastern New York (ENY) Chapter of the Air & Waste Management Association (MASS-A&WMA). They encompass the greater Capital District and Hudson Valley region of eastern New York State. A professional non-for-profit association of engineers and scientists working in the environmental field, with a particular focus on issues related to air and waste. www.awmanenychapter.wildMAYicot.org



The Geological Society of America (GSA) strives to be a leader in advancing the geosciences, while enhancing the professional growth of its members, and promoting the geosciences in the service of humankind. www.geosociety.org



The New York State Museum is a major research and educational institution. It is dedicated to promoting inquiry and advancing knowledge in the fields of geology, biology, anthropology, and history, through the investigation of material evidence germane to New York State's past, present and future. www.nysm.nysed.gov



New York State Council of Professional Geologists (NYSCPG) strives to strengthen and advance the geologic sciences as a profession, promote the protection of public health and welfare and the environment through the professional practice of geologic sciences, and create high standards of ethical conduct among its members and within the profession of geology, as well as the legal standing of geologists and their ability to practice geology in New York State by promoting the licensing of geologists in New York State through statutory regulation. www.nyscpg.org



The Capital District Environmental Breakfast Club is an informal group of environmental professionals that meets monthly to discuss current environmental issues. Each meeting features a speaker on a topic of interest, a regulatory update, and an open forum. Meetings are held on the first Friday of each month except July and August. The Environmental Breakfast Club meets at the Holiday Inn Turf on Wolf Road in Colonie, New York. Meetings start at 7:30 am. The cost is \$15 per person, which includes a full breakfast buffet. www.youngsommer.com



Buffalo Association of Professional Geologists (BAPG) conducts regular membership meetings on the third Wednesday of the month, January through June and September through November. Meetings feature distinguished speakers and interesting topics. Field trips and technical seminars sponsored by the BAPG encourage the exchange of scholarship and expertise. www.bapg.org



Central NY Association of Professional Geologists (CNYAPG) conducts regular meetings on the second Thursday of each month, unless otherwise posted, from September to May. Meetings feature dinner and distinguished speakers whose presentations invite comment and discussion. www.cnyapg.org



Long Island Association of Professional Geologists (LIAPG) is a not-for-profit professional organization dedicated to the professional and business needs of geologists located in the Long Island / Metro New York area. www.lipg.org