

**CNYAPG
November 2023**



**Central New York Association
of Professional Geologists**

**Dr. Bryce Hand
Syracuse University (emeritus)**

In this Issue:

- **November Meeting Announcement**
- **President's Message**
- **Sponsor Recognition**

1 November 2023– 7:00 PM - In-Person & Virtual Options Available

Dr. Bryce Hand (Syracuse University, emeritus) will present:

SYRACUSE MELTWATER CHANNELS

About 15,000 years ago, when the receding front of Pleistocene ice was located in central New York, vast quantities of meltwater flowed through the Syracuse area on its way (via the Mohawk Valley) to Lake Albany and (ultimately) the Atlantic Ocean. This eastward drainage carved a series of canyons (“cross channels”) into the upland between the proglacial “finger” lakes that occupied Onondaga and Jamesville Troughs.

I became interested in these channels in the early ‘70s, when it seemed to me that the prevailing view of sequential, south-to-north channel activation could not work. Specifically, Rock Cut (the most prominent channel) must have been opened in two stages, the second of which had to have happened after routes farther north had been active. Furthermore, Rock Cut’s final activation involved failure of a massive ice-plus-drift dam whose catastrophic discharge swept four- and five-foot limestone blocks through Rock Cut and over the lip of a delta across the north end of Jamesville Trough.

An implication of this scenario that most troubled some of my colleagues was that it required a readvance of the ice front. This no longer seems to be a problem.

My reconstruction of drainage history was initially based almost entirely on topographic map interpretation, but several subsequent field observations—at sites that are no longer accessible—seem to offer strong support.

NYSCPG has approved this presentation to count for 1 NY PDH

BOTH IN-PERSON and VIRTUAL options are available!- Zoom link will be sent the morning of 11/1/23

Location: Spaghetti Warehouse, 689 North Clinton Street, Syracuse, New York or ZOOM

Time: 5:00—6:00p.m. social hour: 6:00-7:00 p.m. dinner; 7:00 p.m. technical presentation

RSVP: <https://cnyapg.org/> or Bonnie (Parratt Wolff) bolney@pwinc.com or (315) 437-1429

Next dinner meeting - December 2023

*CNYAPG Monthly Newsletter
November 2023*

CNYAPG Newsletter

The CNYAPG Newsletter is a monthly publication of the Central New York Association of Professional Geologists dedicated to sharing upcoming events, delivering regular articles of interest and providing the Membership a forum for discussion.

The newsletter is prepared by the Officers and Board of Directors of CNYAPG (listed below).

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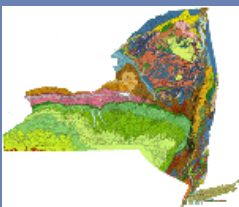
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President's Message– November 2023

November is here, and the holiday season is upon us. But, before I jump into my November letter, I want to apologize again for the cancellation of our Geology Field Day. Refunds have been issued, and comments and complaints have been noted. We are planning to reschedule this event for the end of April or the beginning of May next year. For those seeking PDH credits for January license renewals, NYSCPG has three on-demand presentations: Two by Alpha Analytical, “Current Status of the Most Commonly Used PFAS Analytical Methods in Comparison to Draft EPA Method 1633” by James Occhialini, and “RCRA Waste Characterization Analytical Methods for Disposal” by Kristin Weiler. The Occhialini’s PDH credit will expire soon. The third is Jean Patota’s Ethics presentation. If you missed last season, it was a beneficial talk, and NYS PGs are required to have PDH credits in professional ethics. These three presentations can be found on the NYSCPG website. Unfortunately, if you have not already registered, the NYSCPG Geology Days event scheduled for November 13th through 15th is almost completely booked. CNYAPG is also looking to add one or more online presentations between November and the end of January that will offer PDH credits. If we at CNYAPG become aware of any online PDH offerings by AIPG or any of our sister organizations, we will make our membership aware of it. Also, if anyone is interested in giving a presentation for PDH credits to the CNYAPG membership, don’t hesitate to get in touch with us, and we will be more than happy to walk you through the process of getting your talk approved.

Now, I would like to thank Dr. David Valentino from SUNY Oswego for his October presentation regarding the question of a Neoproterozoic Basin Beneath the area of Ithaca, New York. It was a very thought-provoking talk. Thanks again, Dave! This month, we are pleased to announce that Dr. Bryce Hand of Syracuse University will present his work on “Syracuse Meltwater Channels” at our November 1st meeting. As someone interested in the glaciation of New York State, I am looking forward to this talk. I hope to see you all there, and yes, PDH credit is available for this talk.

For those of you interested in the seismic activity of New York, the state has been very quiet over the last two months. The USGS only noted one event (as of the writing of this letter) in New York State. A Magnitude 1.8 quake located 4.5 kilometers north-northwest of Chazy, New York, at the northern end of the Adirondack mountains. The event had a hypocenter of 5.0 kilometers. In other news of geologic interest, there has been no activity of note on the Geoparks Bill. A committee or advisory board is being established, and a list of State Parks and scenic attractions of geologic interest is being compiled.

As mentioned previously, the New York State Council of Professional Geologists (NYSCPG) will host its 2nd annual Geology Days Conference in Saratoga Springs. This event has two scheduled field trips, along with numerous presentations. Unfortunately, if you are not already registered for the three-day event, all the local hotels in Saratoga Springs are booked, and registrations ended this week. However, don’t lose heart! It is hoped that Geology Days will be hosted closer to central New York next year. If you are attending, I hope to see you there, and we can all chat.

President's Message (continued...)

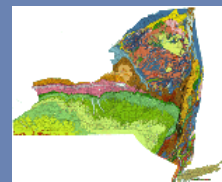
CNYAPG has contacted 24 public and private colleges and universities in Central New York to inform them of our 2023-2024 Earth Science Student Research Grant. We have asked for student proposals and abstracts to be submitted no later than Saturday, December 10, 2023. The CNYAPG Earth Science student Research Grants will directly support student research and help disseminate that research through conference attendance. The winning student (s) will be awarded grants totaling \$1000 in combined value. Any monetary contribution to the Student Research Grant fund you would like to offer would be most welcome.

Lastly, I encourage all of you to get out and enjoy the remainder of the fall colors. Take a hike or stroll through one of the local state parks. Clark Reservation, Green Lakes, Pratt's Falls, and Chittenango Falls all are near Syracuse and have beautiful scenery and wonderful exposures of the local stratigraphy, especially at Clark Reservation, Pratt's, and Chittenango Falls. If you take photos, please submit some for next month's newsletter.

To end this letter, a customary quote for these too familiar of times: "For peace is not mere absence of war but is a virtue that springs from a state of mind, a disposition for benevolence, confidence, and Justice." — Baruch Spinoza

Calvin K. Prothro, P.G., CPG
President of CNYAPG

The CNYAPG was founded in 1993 to strengthen and advance the geological sciences. CNYAPG conducts regular meetings on the first Wednesday of each month from September to May. Meetings feature dinner and distinguished speakers whose presentations invite comment and discussion.



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Central New York Association
of Professional Geologists

2024 Grant for Earth Science Student Research

**Up to \$1,000 Available
to Support Central New York Student Research**

The Central New York Association of Professional Geologists (CNYAPG) is accepting proposals for 2024 grants to support CNY student Earth Science research or to help disseminate Earth Science research through conference travel.

Eligibility: Two \$500 grants or one \$1000 grant will be awarded competitively to fund either undergraduate or graduate student research-related activities or conference travel to present research. Applicants must attend a participating CNY college/university and be a student of good standing pursuing a degree in Geology or related science.

Proposal Due Date: Proposals must be submitted no later than **December 9, 2023**. *Applications should be sent to scholarship@cnyapg.org with "student scholarship" in the subject.*

Criteria for Selection: CNYAPG will review and rank proposals based on the purpose, design, and impact of the research, funding purpose and budget, proposal quality, and general earth science interest. Notification of the awards will be made no later than February 17, 2024.

Procedures for Application: Applicants are required to submit a 1-2-page proposal including, at a minimum:

- Project title
- Name of advisor
- Statement of funding purpose
- Project summary including:
 - List of collaborators and PIs on the project
 - Base funding sources, if any
 - An abstract (no more than 200 words) explaining:
 - The purpose of the research (problem statement, hypotheses to be tested),
 - What has and what will be done (project design) and
 - The primary impact of the research
 - Budget explaining how the money will be used and the timeline for work.

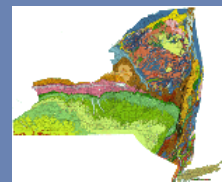
Expectations for Recipients: Recipients of the CNYAPG student scholarship will be asked to share the results of their research at a CNYAPG meeting during the following year (2024-2025).

If you have any questions regarding this RFP, please email scholarship@cnyapg.org and include "student scholarship" in the subject.

CNYAPG is a not-for-profit organization with the general mission to strengthen the geologic sciences as a profession in Central New York. Further details about CNYAPG can be found on our webpage: <http://www.cnyapg.org/>

Central New York Association of Professional Geologists (CNYAPG)
PO Box 567, Dewitt, New York 13214

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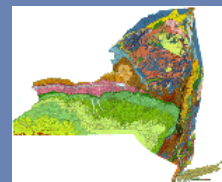
Geochemistry/Chemical Hydrogeology

We assist with evaluation techniques focused on the chemical properties of water and its interactions with rock, soil, or sediment as a compliment to standard hydrogeology techniques, which typically focus on the physical properties and available quantity of water (i.e., flow paths/flow rates)

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



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Upcoming Events

November 1 2023 7:00 PM– CNYAPG– Dr. Bryce Hand—(Syracuse University, emeritus) —**Syracuse Meltwater Channels - Dinner Meeting**—www.cnyapg.org

November 13-15 2023 7:00 PM– NYSCPG– Geology Days— <https://nyscpge.wildapricot.org/>

Thank you to David Eckhardt for your donation!

A Call for Abstracts!

For any questions about the event later this year, or about submitting abstracts for presentations, please contact John Nadeau at 518-579-6580 or at jnadeau@nyscpge.com
The New York State Council of Professional Geologists Presents

GEOLOGY DAYS CONFERENCE 2023

Saratoga Springs, NY
November 13th - 15th

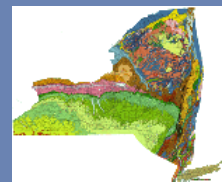
CNYAPG Governance

Membership Renewal

CNYAPG's membership period follows the CNYAPG meeting year from September through August. Renewals are due in September. To renew or become a new member, simply complete the membership form, available on our website at www.cnyapg.org. Membership is only \$25 per year and all money received is used in support of our organization.

Join CNYAPG at our social networking groups on [Facebook and LinkedIn](#). These sites (always under development) will provide online forums for discussion, as well as another way to inform our members and networking opportunities. For more information about our social media sites e-mail us at admin@cnyapg.org.

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