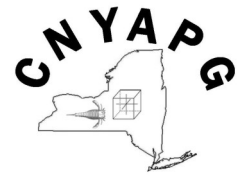


**CNYAPG  
October 2021**



**Central New York Association  
of Professional Geologists**

**Dr. Karen Harpp  
(Colgate University)**

**In this Issue:**

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

- **Upcoming Events**

**20 October 2021 Virtual Meeting– 6:00 PM**

Dr. Karen Harpp (Colgate University) will present:

## **New Insights into the Origin of the Galapagos Islands**

The Galapagos Islands are formed by the action of a mantle plume, a column of hot rock that ascends from the core-mantle boundary to produce the fascinating volcanic islands of this archipelago. In this presentation, we will synthesize recent geochemical and volcanological studies in the Galapagos to gain insight into the deep mantle origins of the plume, the compositional structure of the deep Earth, and the evolution of Galapagos volcanoes. And of course we'll include plenty of images of Galapagos flora, fauna, and volcanoes in the process.

***This is a FREE virtual event—Please register through the CNYAPG website  
Zoom access instructions will be provided via email to registered attendees on the day of the  
presentation***

**Next virtual meeting - November 2021**

# 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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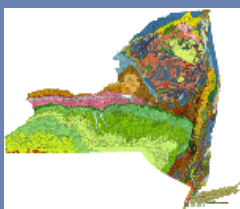
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## President's Message— October 2021

Welcome to October! There is a nip in the air, and field season is drawing to a close. I hope all of you are enjoying fall hikes and strolls through our local state parks and nature preserves. To begin, I want to thank Bill Kappel for last month's talk. Bill gave us a great, well attended, virtual talk on the passive surface geophysical work done on the Retsof salt mine area, looking at the migration of saltwater. It was very informative. This month, CNYAPG will be hosting Dr. Karen Harpp of Colgate University on October 20<sup>th</sup>. Her talk, entitled: "New Insights into the origin of the Galapagos Islands" will be focused on the recent geochemical and volcanological studies of this unique geological and biological environment. I hope you all will attend.

Speaking of unique geological and biological environments, October celebrates International Earth Science Day on the 10<sup>th</sup>, which kicks off Earth Science week that lasts until the 16<sup>th</sup>. Several local events are being planned across the state. As usual, there are also a lot of other interesting geologic events taking place around the world; from the spectacular eruption of the La Palma Volcano in the Canary Islands to the massive landslides in China to the aftermath of the August 14<sup>th</sup> 7.2 magnitude Haitian Earthquake. Did you know two new species of dinosaur were discovered in England; or recently discovered fossils of human footprints point to humans having arrived in North America, thousands of years earlier than once thought? Have you heard about the new research on the chemical data from suites of sedimentary rocks that seem to indicate that continental growth is episodic and clustered into six continent-building events over the last 3.7 billion years? Even during a pandemic, the work of geoscientists continues.

Other things closer to home that you should be aware of: On September 20, 2021, the New York State Council of Professional Geologists (NYSCPG) received approval from the New York State Education Department (NYSED) to be an authorized entity to approve providers of continuing education for professional geologists. NYSCPG is now in the process of forming a Review committee to evaluate instructors and course offerings. As you remember the law takes effect on January 1, 2022, and will require all New York State licensed geologists to complete 36 hours of continuing education during each three-year registration period. You will be happy to know CNYAPG is actively engaged with NYSCPG and is giving input into the formation of NYSCPG's Review committee.

Another quick note regarding NYSCPG; as some of you remember, last holiday season NYSCPG offered a special edition, seasonal beer, the "Thin Section Pale Ale" from Lithology Brewing Company of Farmingdale Long Island. They are planning on doing it again for this holiday season. The "Pleistocene Pilsner" is in the works. They are currently working on label design and other related production issues. Keep an eye out for it.

I don't want to mention Covid again, but I have to bring it up in regards to our planning for the rest of our lecture season. CNYAPG will be putting out a sur

## President's Message– October 2021 (continued...)

vey very soon to gauge our membership's feelings about coming back to in-person gatherings this season. Covid is still an important issue we are all dealing with and everyone has their own (personal) reasons on how they have chosen to address our current Covid conditions. We only wish to serve and protect our membership and the wider Central New York community. I hope all of you will take the time to respond to the survey.

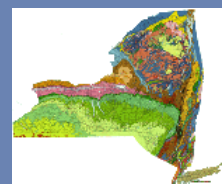
CNYAPG is also continuing to support earth science student research with the 2022 Grants for Earth Science Student Research program. CNYAPG will award grants to Earth Science students, attending Central New York colleges and universities, to directly support their research and to help disseminate that research through conference attendance. Students compete for the awards by submitting a proposal for review by the CNYAPG Board. Each year one or more grants will be awarded with a total combined grant value of \$1000. As part of the award, the recipients will be expected to share the results of their research at a CNYAPG monthly meeting during the 2022-2023 lecture season.

Information on the grants and proposal requirements is being sent to earth sciences departments at colleges and universities across Central New York. Information on the grant proposal process is also available on the CNYAPG website ([www.cnyapg.org](http://www.cnyapg.org)). If you are a student, we encourage you to submit a proposal. If you know students who would be interested in this grant, please encourage them to consider submitting a proposal. If you have questions or cannot find information on the grant process, please contact CNYAPG at [scholarship@cnyapg.org](mailto:scholarship@cnyapg.org).

Lastly, as we all continue to deal with these trying times, I just want to leave you with a few words of encouragement from the 16<sup>th</sup> President of the United States. "The best way to predict the future is to create it." Let's all keep working to create a better future, for ourselves, our communities, and the world.

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

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



[www.cnyapg.org](http://www.cnyapg.org)  
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## Thank you to our Sponsors!

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### Environmental Petrography Services

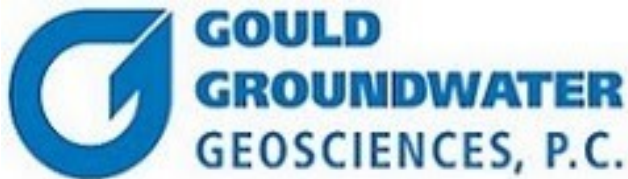
We characterize the mineralogy/chemistry, texture, structure, porosity, and organic matter content of rock, soil, or sediment to assist and enhance environmental investigation

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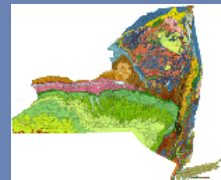
### Geochemistry/Chemical Hydrogeology

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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[www.cnyapg.org](http://www.cnyapg.org)  
[www.twitter.com/cnyapg](https://www.twitter.com/cnyapg)

## Programming Note & Upcoming Events

As noted previously, CNYAPG has temporarily transitioned to a virtual Zoom platform beginning with the October 2020 meeting.

**October 20, 2021** 6:00 PM– CNYAPG– *New Insights into the Origin of the Galapagos Islands*

Dr. Karen Harpp– Colgate University

Virtual Meeting– [www.cnyapg.org](http://www.cnyapg.org)

**November 17, 2021** 6:00 PM– CNYAPG– *Topic TBD*

Dr. David Eckhardt– USGS

Virtual Meeting– [www.cnyapg.org](http://www.cnyapg.org)

**December 15, 2021** 6:00 PM– CNYAPG– *Topic TBD*

Dr. David Valentino– SUNY Oswego

Virtual Meeting– [www.cnyapg.org](http://www.cnyapg.org)

**January 19, 2022** 6:00 PM– CNYAPG– *Topic TBD*

Dr. Robert Titus– Hartwick College

Virtual Meeting– [www.cnyapg.org](http://www.cnyapg.org)

**February 16, 2022** 6:00 PM– CNYAPG– *Topic TBD*

Dr. Robert Darling– SUNY Cortland

Virtual Meeting– [www.cnyapg.org](http://www.cnyapg.org)

**March 16, 2022** 6:00 PM– CNYAPG– *Topic TBD*

Mr. Andy Kozlowski– NYSGS

Virtual Meeting– [www.cnyapg.org](http://www.cnyapg.org)

**April 20, 2022** 6:00 PM– CNYAPG– *Topic TBD*

Dr. Paul Harnick– Colgate University

Virtual Meeting– [www.cnyapg.org](http://www.cnyapg.org)

**May 18, 2022** 6:00 PM– CNYAPG– *Topic TBD*

Dr. Rachel Lee– SUNY Oswego

Virtual Meeting– [www.cnyapg.org](http://www.cnyapg.org)

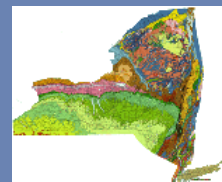
## CNYAPG Governance

### 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](http://www.cnyapg.org). Membership is only \$25 per year and all money received is used in support of our organization.

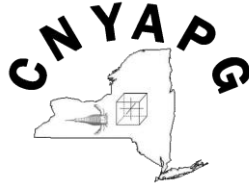
Join CNYAPG at our social networking groups on [Facebook](#) and [LinkedIn](#). These sites (always under development) will provide online forums for discussion, as well as another way to inform our members and networking opportunities. For more information about our social media sites e-mail us at [admin@cnyapg.org](mailto:admin@cnyapg.org).

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Central New York Association  
of Professional Geologists

# 2022 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 2022 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 10, 2021**. *Applications should be sent to [scholarship@cnyapg.org](mailto: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 16, 2022.

**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 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 money will be used and 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 (2022-2023).

If you have any questions regarding this RFP, please email [scholarship@cnyapg.org](mailto: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)**

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