

**CNYAPG
November 2021**



**Central New York Association
of Professional Geologists**

**Dr. David Eckhardt
(USGS)**

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17 November 2021 Virtual Meeting– 6:00 PM

Dr. David Eckhardt (USGS) will present:

**Adventures in Africa -- Drilling for drinking water while
exploring the culture and wildlife of Tanzania**

During 2013-14, Dave participated in a regional well drilling program to develop drinking-water supplies in Tanzania, East Africa, which is the topic of the November meeting. His talk will review the project objectives and the difficulties of drilling deep water wells in unconsolidated sediments in the coastal plain of Tanzania. He will also report on the Tanzanian people, their culture, and some wildlife excursions in this wonderful country.

This is an In-Person event. The following COVID-19 protocols will be in-place:

- 1.) All attendees MUST be fully vaccinated***
- 2.) Masks are to be worn when not seated***

We look forward to seeing you at the Spaghetti Warehouse on 11/17

Location: Spaghetti Warehouse, 689 North Clinton Street, Syracuse, New York
Time: 5:00 – 6:00p.m. social hour: 6:00-6:30p.m. dinner; 6:45p.m. technical presentation
Cost: Members: \$20 RSVP / \$25 at the door; Non-member \$30 RSVP / \$35 at the door
RSVP: By **November 12th** at <https://cnyapg.org/> or
Bonnie (Parratt Wolff) bolney@pwinc.com or (315) 437-1429

Next dinner meeting - December 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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President's Message– November 2021

November is here! The air has that damp chill to it that makes the early fall mornings here in Central New York have that unique special quality to it, like no place else in the world. I hope you all made it through the rain and subsequent local flooding we experienced in the last week. We had another very successful virtual monthly Zoom meeting for October, thanks to Dr. Karen Harpp of Colgate University. Her presentation on mantle plume origins of the Galapagos Islands. Thanks again Karen, I know I, and the students who attended, learned a lot about isotopic fingerprinting of mantle materials.

This month CNYAPG is going to attempt to move back towards a regular, in-person, meeting schedule. As you are most likely aware, CNYAPG polled our membership regarding us resuming in-person gatherings. Of the respondents, approximately 94% were in favor of returning to in-person gatherings, 64% were in favor of requiring vaccinations, and 57% were in favor of requiring masks when not sitting/eating- we will be adopting these rules. Based on these results, the board has decided to resume in-person gatherings at Spaghetti Warehouse and see how it goes from there. I am sure Spaghetti Warehouse is following all State and Federal guidelines for restaurants operating under Covid. If you are not familiar with those guidelines or have questions, I refer you to the following website:

https://www.governor.ny.gov/sites/default/files/atoms/files/Food_Services_Summary_Guidelines.pdf

If you still have specific questions regarding Spaghetti Warehouse, I recommend that you contact them directly.

With that, CNYAPG is pleased to announce Dr. David Eckhardt, USGS-Retired will be presenting this month on the 17th. If you recall, Dave was scheduled to give us a talk in March 2020 (*before the world fell apart*) entitled: "Investigating Aquifer Sources for Potable Drinking Water in Tanzania, East Africa." I hope Dave coming back to give another talk is just one more positive sign that we are all truly climbing out of this global nightmare.

Another thing I want to mention in this letter is that January 1st is fast approaching. If you are one of the 718 NYS licensed geologists residing in New York state, you need to think about Continuing Education credits. As of this moment, there is no reciprocity for continuing education credits with other states. Credits you earn for your PA or Delaware or any other state will not be accepted for your New York license. The New York State Council of Professional Geologists (NYSCPG) is currently the only agency authorized by the New York State Department of Education to approve continuing education courses for NYS-PGs. CNYAPG is working closely with NYSCPG to be able to provide continuing ed courses. So, if you are one of the NYS licensed geologists in Onondaga, Madison, Cortland, Cayuga, Oswego, Oneida, or Chenango counties, you should think about becoming more active with CNYAPG. If you are up in Jefferson county, over in Seneca county, or down in Broome county, stay in contact with us and stay informed on continuing

President's Message– November 2021 (continued...)

education opportunities in the area beginning in January.

CNYAPG has contacted 21 public and private colleges and universities in Central New York to make them aware of our 2021-2022 Earth Science Student Research Grant, and student proposals must be submitted by December 10, 2021. 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.

I will keep this communication short by not mentioning all the cool stuff that is going on in the geosciences, but as I did last fall, I want to encourage you to engage more with your community and your local geologic environment. Try to get out and enjoy the colors of the fall foliage, take a hike, or stroll through one of the local state parks. Clark Reservation, Green Lakes, Pratt's Fall, and Chittenango Falls all are near Syracuse and have beautiful scenery and great exposures of the local stratigraphy, especially at Clark Reservation, Pratt's, and Chittenango Falls. If you are in for a longer drive, you could venture to Buttermilk or Treman State Parks. If the weather stays good get an NYSGA field guide and get into the field.

As I have made a custom, a quote. "Real knowledge is to know the extent of one's own ignorance." – Confucius.

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.



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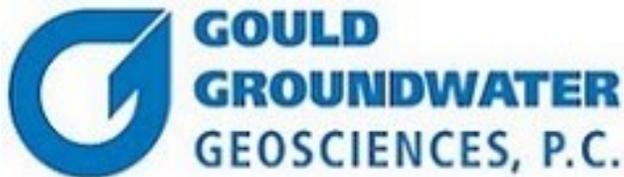
We characterize the mineralogy/chemistry, texture, structure, porosity, and organic matter content of rock, soil, or sediment to assist and enhance environmental investigation

- ❖ Optical Microscopy
- ❖ X-Ray Powder Diffraction
- ❖ Scanning Electron Microscopy
- ❖ Electron Probe Microanalysis
- ❖ Energy and Wavelength Dispersive Spectroscopy

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)

- ❖ Water Types/Hydrochemical Facies Evaluation
- ❖ Graphical Data Analysis/Mapping
- ❖ Geochemical Calculations/Modeling
- ❖ Statistical Analysis



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Programming Note & Upcoming Events

As noted previously, CNYAPG temporarily transitioned to a virtual Zoom platform beginning with the October 2020 meeting. Starting in November 2021, in-person meetings will resume with COVID-19 protection protocols in-place.

November 17, 2021 6:00 PM– CNYAPG– Drilling for drinking water while exploring the culture and wildlife of Tanzania

Dr. David Eckhardt– USGS

Virtual Meeting– www.cnyapg.org

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

Dr. David Valentino– SUNY Oswego

Virtual Meeting– www.cnyapg.org

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

Dr. Robert Titus– Hartwick College

Virtual Meeting– www.cnyapg.org

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

Dr. Robert Darling– SUNY Cortland

Virtual Meeting– www.cnyapg.org

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

Mr. Andy Kozlowski– NYSGS

Virtual Meeting– www.cnyapg.org

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

Dr. Paul Harnick– Colgate University

Virtual Meeting– www.cnyapg.org

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

Dr. Rachel Lee– SUNY Oswego

Virtual Meeting– 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. 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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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 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 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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