

In this Issue:

- **April 2019 Meeting Announcement**
- **President's Message**
- **Upcoming Events**

17 April 2019 Meeting

Dr. Scott Samson (Syracuse University) will present:

*"Inherited, enriched, heated, or recycled? The Grenville Orogeny:
Examining potential causes of Earth's most zircon fertile magmatic episode"*

An increasing number of tectonic studies rely on U-Pb ages of detrital zircon to identify sediment source regions. Such studies can be confounded if zircon ages reflect original primary sources rather than final, proximal sources. Such is the case with ~ 1 Ga Grenville zircon in North America – detrital grains are found in abundance thousands of kilometres from known exposed sources. This is likely a result of the incredible zircon fertility of Grenville age plutons (i.e. granitoids with very high Zr abundance). There are multiple possible mechanisms that can explain such high zircon abundances including: (1) very significant degrees of inherited xenocrystic zircon in the granitoids; (2) very unusually trace-element enriched source areas of the granitic magmas; (3) massive degrees of crustal recycling during Grenville orogenic events; or (4) extremely high temperatures of granitic magmas that allow for very high quantities of zirconium to be dissolved in the magmas. Each of these possibilities will be discussed in the context of what looks to be the single most zirconium-enriched major magmatic event in Earth history!

Please RSVP by **Friday, April 12th** to reserve your seat and to help us provide a reliable count to the chef at Spaghetti Warehouse.

Dinner costs for students who RSVP will be offset by sponsorships by **CT Male Associates, Gould Groundwater Geosciences, P.C. and Parratt-Wolff**.

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: <https://cnyapg.org/> (see page 4 for details) or
Bonnie (Parratt Wolff) bolney@pwinc.com or (315) 437-1429

Next meeting - May 15, 2019 - Dr. Esteban Gazel (Cornell University) Topic - "The Rocks that Joined the Americas: Is There a Connection with Climate and Evolution of Life?"

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).

Officers:

Guy Swenson, President
guy.swenson@obg.com

Calvin Prothro, Vice President
prothroc@sunyocc.edu

Gerry Gould, Treasurer
gould@gouldgw.com

Sean Pepling, Secretary
spepling@pwinc.com

Mary Sorensen,
Associate Vice President
Marysorensen.66@gmail.com

Board of Directors:

George Thomas
george.thomas.5624@gmail.com

Kyle Makovsky
kamakovs@syr.edu

Will Hackett
whackett@pwinc.com

Ed Hinckey
ehinckey@indiescientists.com

Bill McCune
William.mccune@arcadis.com



President's Message April 2019

Our individual wealth of knowledge and experience both geologically and personally form the professional we are today. Our geologic training in school and on the job combined with our experience seeing different geology and solving geologic problems is unlike anyone else's. Our cultural, social, and family experiences significantly influence how we approach our professional lives and are also unlike anyone else's. Because of our individual geologic and personal background, we each bring a unique set of knowledge, expertise, capabilities and approach to the profession. When our unique professional background is combined with others, there is a wealth of diversity available to solve geologic problems.

Our unique background can benefit our professional work and spur our professional growth. But our unique background can also be a real hindrance to ourselves and others if our background resists diversity and change. Resistance to hearing of different ways of approaching a problem, not letting someone different from you have a professional opportunity or be hired, trying to force others to act as you do, failing to think outside the box of your background, unwillingness to accept diversity of background and thought, and seeing change as a threat are all examples of how one's unique background can limit the growth of others and can limit one's own professional growth. Accepting diversity is difficult, but it is extremely beneficial to us and our profession.

*Guy Swenson
President*

PARADIGM
ENVIRONMENTAL SERVICES, INC.

YOUR FULL SERVICE
ENVIRONMENTAL
AND ASBESTOS
LABORATORY

LEARN MORE ABOUT US AT
WWW.PARADIGMENV.COM

To hell with the geologists and their profession

Reprinted with permission from the NYSCPG

This may be the thought of a person who just doesn't understand or know what a geologist is and the undertakings of the profession. Or perhaps this is the thought of an educated person who understands our profession and for unknown reasons is not interested in seeing the profession flourish. Worse yet, this is the action of fellow geologists that do not want to spend the money or time to support our organization or our profession. And.... without the support of membership and sponsorship this will be our demise.

Of course, the fact that you are reading this is proof that you are interested in preserving the integrity of the Council and the profession. However, you too can participate more with the Council – by first encouraging others in our profession to join this organization! You will hear shortly that there are benefits for being a member – and your presence is important.

It took many years and multitude of people to finally get the profession recognized for the value it has been, is and will provide for the residents of the state. Now, more than ever we need to drive our membership and sponsorships to support the Council – for financial and legal reasons.

The Outreach Committee (OC) is to advocate on behalf of the Council with other professional and regulatory organizations within the State of New York. The mission of the Outreach Committee (OC) is to create, initiate and coordinate outreach programs throughout NYS, particularly through our sister organizations, in which NYSCPG members engage members of the public in a manner that focuses on advancing a positive view of our profession:

- Educate members of the public about NYSCPG or its members
- Provide resources to colleges & universities which offer geological education
- Provide professional development opportunities to members

The various committees established by the Council overlap in roles – membership and fundraising predominately involve the OC. The OC has the ability to communicate, educate and involve their members! The various joint symposiums the Council and regional sister organizations had in the recent year are examples of what can be accomplished through the efforts of the OC.

This year, the Council will be hosting, with the Colleges of Hobart and Smith in Geneva the New York State Geological Association Annual Meeting and Field Trips. At this time we are actively seeking qualified personnel to lead field trips on both Saturday, October 5th and Sunday, October 6th. I am sure someone in our membership knows of a qualified person. Please have them contact me at cheryln@islandpumpandtank.com This is also a great opportunity for the Council to market the organization to our future generation of geologists!

The OC will be back on track with our monthly meeting – usually held the third Thursday of the month. The committee is always interested in obtaining new members – with new ideas and the willingness to commit!

If you are interested in joining us you can reach out to any of the leads. We have several people that have volunteered as leads for the various Regions. Please feel free to contact them if you are interested in being an effective part of the organization:

Cheryl Neary	cheryln@islandpumpandtank.com
Nick Recchia	nrecchia@geiconsultants.com
Scott Yanuck	syanuck@laurelenv.com
Michael Burke	mburke@langan.com
Gene Florentino	gene.florentino@ghd.com
Rick Watt	rwatt@ene.com



PINE
Paul Canavan
Technical Sales Representative
pcanavan@pine-environmental.com
www.pine-environmental.com

405 Cambridge Ave. | Office: 315-455-5100
Syracuse, NY 13208 | Mobile: 315-907-2000

**Environmental Monitoring, Health & Safety, NDT/RVI, CEMS
Rentals • Sales • Service • Repair**

Upcoming Events of Interest

Date	Organization	Description
April 3	EBC of CNY	David Bottar, Central New York Regional Planning & Development Board – Vision CNY – Central New York Regional Sustainability Plan 2013: A Report on the Status of Community Initiatives Across CNY EBCCNY Monthly Meeting, Double Tree, 6301 Route 298, East Syracuse, NY http://hancocklaw.com/events/
April 11	Syracuse University	Estella Atekwana, University of Delaware – Biogeophysics: Geophysical Approaches for Interrogating Subsurface Microbial Activity K. Douglas Nelson Lecture Series, SU Dept. of Earth Sciences, Syracuse, NY http://earthsciences.syr.edu/Events/Nelson_EAR.html
April 17	CNYAPG	Dr. Scott Samson, Syracuse University - Inherited, enriched, heated, or recycled? The Grenville Orogeny: Examining potential causes of Earth's most zircon fertile magmatic episode CNYAPG Monthly Meeting, Spaghetti Warehouse, N. Clinton Street, Syracuse, NY www.cnyapg.org
April 18	Syracuse University	Miki Nakajima, University of Rochester – Origin of the Earth, Moon and Martian Moons Holmes Lecture, SU Dept. of Earth Sciences, Syracuse, NY http://earthsciences.syr.edu/Events/Nelson_EAR.html
April 25	Syracuse University	Larisa DeSantis, Vanderbilt University – Causes and Consequences of Late Pleistocene Megafaunal Extinctions Holmes Lecture, SU Dept. of Earth Sciences, Syracuse, NY http://earthsciences.syr.edu/Events/Nelson_EAR.html
May 15	CNYAPG	Dr. Esteban Gazel, Cornell University - The Rocks that Joined the Americas: Is There a Connection with Climate and Evolution of Life? CNYAPG Monthly Meeting, Spaghetti Warehouse, N. Clinton Street, Syracuse, NY www.cnyapg.org

CNYAPG 2018-2019 Monthly Meetings Fees

	<i>Student-Member</i>	<i>Non-member</i>	<i>Member</i>	<i>Student</i>
Pre-registered	\$20	\$30	\$10	\$15
At the door	\$25	\$35	\$15	\$20

- Test Borings • Well Installations
 - Direct Push Sampling
 - Vacuum Excavations
- Packer Testing • Pumping Tests
 - ORC/HRC Injection Services
 - Well Rehabilitation Services



- Over 40 years of service to Federal, State and Commercial clients
- Crews have both Loss Prevention System and Hazardous Waste Operations Training
- Licensed to drill in all states on the East Coast

East Syracuse, NY (800) 782-7260
 Hillsborough, NC (800) 627-7920
 Lewisburg, PA (570) 523-8913

info@pwinc.com • www.pwinc.com

Crystal Burgess (SU) Wins Best Poster Award

The 2019 Central New York Earth Science Student Symposium was hosted by Syracuse University Geology Graduate Organization on March 30, 2019. As part of the Symposium, 22 posters were presented by students. To encourage presentations by young geologists CNYAPG provided an award for the best poster. Three representatives of CNYAPG (Bill McCune, Ed Hinckley, and Guy Swenson) judged the posters. Syracuse University student Crystal Burgess won the award for her poster titled “The Underdog of Urban Greenspaces: Assessing the Environmental Productivity of Vegetated Vacant Lots Using Hydrogeologic and Thermal Characteristics”. Christa Kelleher (SU Associate Professor) is her faculty co-author. Crystal received an award certificate and \$250 from CNYAPG.

Its CNYAPG Election Time!

Please consider volunteering your time to see that CNYAPG continues to be a valuable asset to our professional community. This year we are in need of candidates for the positions of Secretary, Associate Vice President, and two Directors.

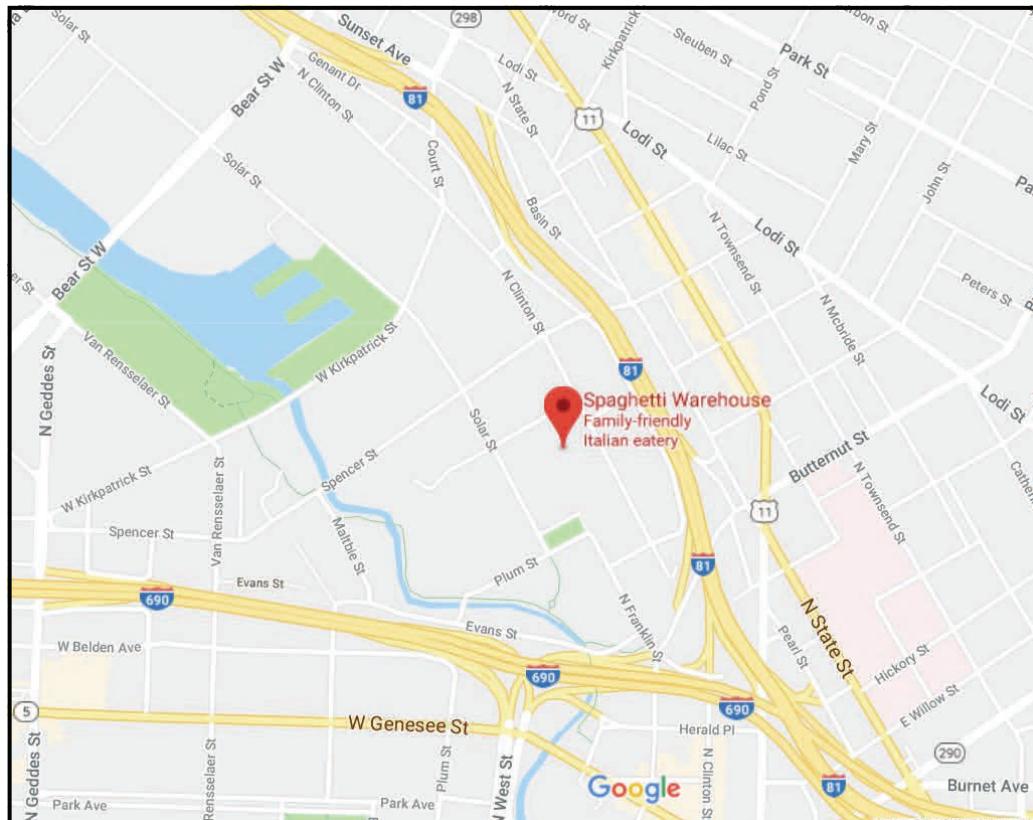
The Secretary position on the Executive Board is for a 1-year term. Directors are elected for 2-year terms. We currently have three Directors who will be continuing on the Board for their second year. The Associate Vice President is a position that represents the Associate Members, whose work is related to the geological sciences, but who do not fulfill the requirements to be a full member.

Please contact Guy Swenson (guy.swenson@obg.com) if you are interested in serving on the CNYAPG Board.

All CNYAPG members will be receiving a ballot and a brief biography of the candidates. The ballot also provides an opportunity to write-in candidates for any of the positions. All members are encouraged to support CNYAPG and vote in our election. Your vote will show support and encouragement for those members who are willingly contributing their time and effort to help guide CNYAPG.

Online Registration Available for Dinner Meetings

Register for the monthly dinner meetings using CNYAPG's web site. Simply go to <https://cnyapg.org/events> and follow the instructions to register. You will be able to pay for the meeting ahead of time, if you wish. You still have the option of calling or emailing Bonnie to register if you prefer (you only need to register one way or the other).



CNYAPG meets the **third Wednesday** of the month from September through May at Spaghetti Warehouse, located at 689 North Clinton Street, Syracuse, New York.

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.

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
www.twitter.com/cnyapg