

# DVESScapades

*escapades: interesting, stimulating, exciting activities and adventures*



## DELAWARE VALLEY EARTH SCIENCE SOCIETY NEWSLETTER



October 2019



**Next Meeting:** October 9th

**7:00 pm Junior Rockhounds class and adult social hour**

**8:00 pm Program:** Harold C. Connolly Jr. Ph. D., with a presentation on "OSIRIS-REx: Sample science and the geology of active asteroid Bennu"

OSIRIS-REx, NASA's New Frontiers 3 asteroid sample return mission, reached its target asteroid 101955 Bennu in December of 2018. Since its arrival, various remote sensing campaigns have been, and continued to be, conducted with a goal of finding an appropriate site on the asteroid's surface to safely collect sample while documenting the geologic context of the collection site. In addition, unprecedented data has provided insights into the geologic history of asteroid Bennu that provide a framework for testing these findings through the analyses of the returned sample. The talk will focus on specific highlights of the current findings of OSIRIS-REx and relate these findings to the analysis of the returned sample.

**Meeting location:** Education Bldg. behind Centenary United Methodist Church,  
149 South White Horse Pike, Berlin NJ 08009

## President's Corner:

I hope everyone had a happy and safe summer. Now that summer over and the temperatures have begun to cool off, we can get some serious collecting done without all the heat and humidity. We are looking forward to an exciting year of field trips and speakers/presenters. I received a few inquiries about helping lead field trips; I could use one or two more trip helpers/headers. Thanks.

### **Edelman Fossil Park at Rowan University, September 14, 2019:**

Special thanks to Sherry, Susan, Alice, Ed, Amy, Jim, and Mark for helping make another Edelman Fossil Park Community Dig Day a success. DVESS shared tables with the DVPS displaying fossils and minerals. See the pictures of the Dig Day events.

**DVESS Annual Picnic, which was rescheduled for October 6th, has now been cancelled.**

**Sterling Hill Mining Museum Tour, Saturday, October 19, 2019:** This is our annual free tour of the three museums and mine walking tour. Meeting at Woodcrest Station, parking lot 8A at 8:00 am. More details to follow. Please sign up at the regular meeting in October.



**Ramanessin Creek, Saturday, October 26, 2019:** We will be going fossil-collecting at Ramanessin Creek, Big Brook, and other local streams. Please sign up at the regular meeting in October.

**John Wolf Memorial Collecting Trip to the Odessa Petrified Wood Site on Saturday, November 30, 2019:** We will be going to Odessa, Delaware to collect petrified wood and possibly a visit to the C&D Canal, weather and amount of daylight available. Please sign up at the regular October or November meeting.

**Mark Leipert, President**

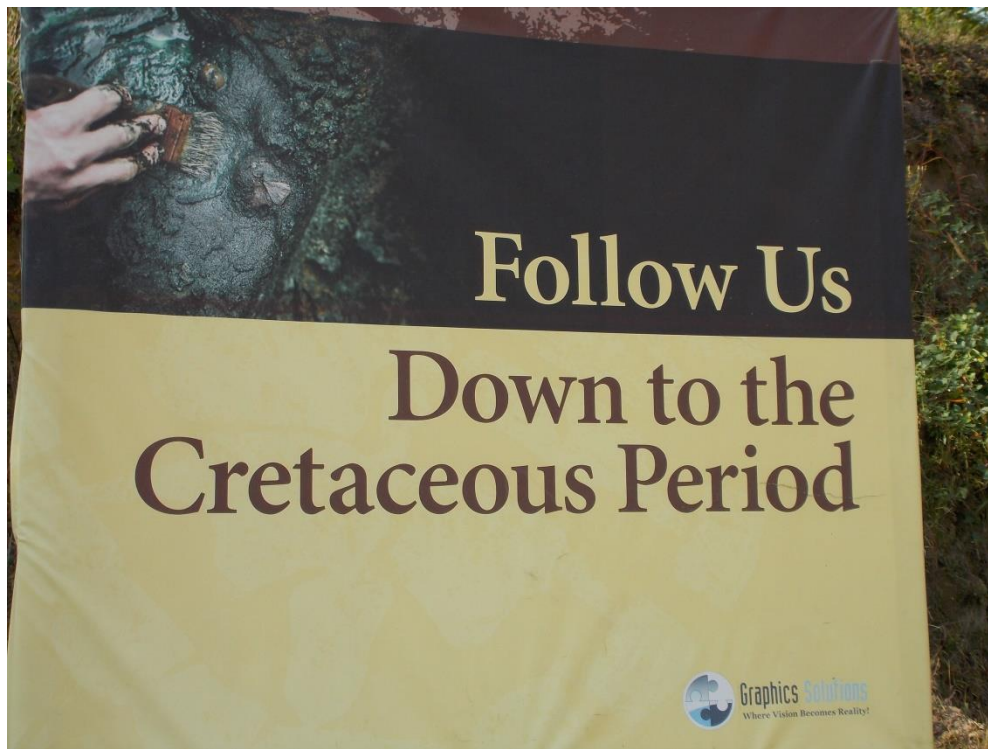
## Photos

by Jim Brennan and Susan Moore

### Edelman Fossil Park Community Dig Day









## News

### Japan's Hayabusa 2 releases rover to land on asteroid Ryugu

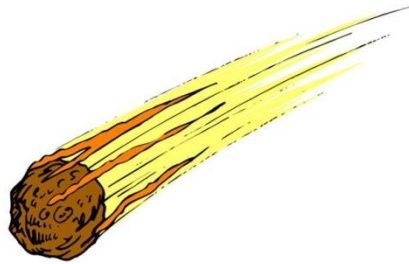
<https://www.nbcnews.com/mach/science/japan-s-hayabusa-2-releases-rover-land-asteroid-ryugu-ncna1061971>

### Japan's Hayabusa2 Probe Drops Its Last Rover on Asteroid Ryugu

<https://www.space.com/hayabusa2-deploys-last-asteroid-ryugu-rover.html>

### 'Asteroid 2019', bigger than a bus, soared past Earth: NASA

<https://nypost.com/2019/10/03/asteroid-2019-bigger-than-a-bus-soared-past-earth-nasa/>



## Quote of the Month:

Almost all of the space program's important advances in scientific knowledge have been accomplished by hundreds of robotic spacecraft in orbit about Earth and on missions to the distant planets Mercury, Venus, Mars, Jupiter, Saturn, Uranus, and Neptune. Robotic exploration of the planets and their satellites as well as of comets and asteroids has truly revolutionized our knowledge of the solar system. — James Alfred Van Allen, in 'Is Human Spaceflight Obsolete?', *Issues in Science and Technology* (Summer 2004).

## Shows and Events

### October

**October 11-13: 63rd Paul Desautels Micromount Symposium**, Friends School of Baltimore, 5114 N. Charles St., Baltimore, MD 21210. Giveaway tables, silent auction, voice auction, sales, mineral talks, trading. For program and registration forms, email Mike Seeds, [mseeds@fandmedu](mailto:mseeds@fandmedu)

**October 12-13: 2nd Annual South Jersey Gem, Jewelry, Mineral & Fossil Show**, 1721 Springdale Road Cherry Hill, NJ 08054. Saturday (10 am-6 pm) & Sunday (10 am-5 pm).

[www.sjmineralshow.com](http://www.sjmineralshow.com)

Facebook: [www.facebook.com/sjmineralshow](https://www.facebook.com/sjmineralshow)



### November

**November 2-3: Gem Mineral & Jewelry Show**, Trailside Nature and Science Center, 452 New Providence Rd., Mountainside, NJ 07092. 12-5 pm. Held indoors, Exhibits, Sales, Activities, Demonstrations. [www.ucnj.org/trailside](http://www.ucnj.org/trailside)



## Membership Information

*Regular memberships* are entitled to participate in all DVESS activities.

### *Regular Membership:*

\$20.00 for the 1st family member + \$5.00 for each family member

\$10.00 for the 1st Senior (65+ ) member + \$5.00 for each family member

## Delaware Valley Earth Science Society Information

The Delaware Valley Earth Science Society, Inc. (DVESS), a non-profit organization, was founded in 1956 and incorporated in the state of New Jersey in 1957. The Society:

- promotes interest in, knowledge of, and the development of skills in the “earth sciences.” These interests include mineralogy, paleontology, lapidary arts, archeology, and local preservation.
- supports the conservation of natural resources, advocates the availability of collecting sites, and maintains close contact with those in the academic field.
- is a member club of the Eastern Federation of Mineralogical and Lapidary Societies (<http://www.AmFed.org/EFMLS>)

### **Delaware Valley Earth Science Society Inc. (DVESS)**

Delaware Valley Earth Science Society

PO Box 602

Berlin, NJ 08009-0602

DVESS Website: <http://www.DVESS.org>



To submit an article or photos for publication in the DVESScapades, contact the Newsletter Editor at [aquamarinepaisleyorchid@yahoo.com](mailto:aquamarinepaisleyorchid@yahoo.com).

