



## DMS Second Annual Geology Symposium 2018

Arsht Hall, University of Delaware  
2700 Pennsylvania Avenue  
Wilmington, DE 19806

Saturday, March 3, 2017, 11AM - 4 PM  
Sunday, March 4, 2017, 11AM - 4 PM  
(Seating is limited to 40-60 per room.)



**Dr. Ian Saginor, Forensic Geologist, Federal Bureau of Investigation (FBI), formerly of Keystone University**  
Saturday, March 3rd Room 224 12:30 PM - 1:45 PM

### 'RED BERYL: The Hunt for the Rarest Gemstone on Earth'

Diamonds are found in dozens of countries spread over five continents, but gem quality red beryl is found in only one place on Earth. When a journalist, a doctor, and a geologist set out to find it, things don't go according to plan. Come hear a story about danger, true love, and the rarest gemstone most people have never heard of.



**Dr. Stanley A. Mertzman, Professor of Geology, Franklin & Marshall College**  
Saturday, March 3rd Room 225 2:00 PM- 3:15 PM

### 'SOME LIKE IT HOT!'

Natural and Artificial Magma and Lava: What Mount Shasta Volcano in Northern California and the Armstrong World Industries Plant in Millwood, West Virginia Have in Common



**Russ Losco, MA, PG, CPSS, Adjunct Instructor at West Chester University and Delaware County Community College**  
Saturday, March 3rd Room 224 3:30 PM - 4:45 PM

### 'A Traveler's Guide to the Geology of Costa Rica'

Costa Rica, known for its beauty, diversity, friendly citizens and peaceful nature, stands in stark contrast to the geologically violent origins. The country was and continues to be born of powerful tectonic collisions, earthquakes and volcanic eruptions. Come take a journey with me from the Caribbean lowlands across the Talamanca Cordillera to the Pacific coast as we explore active volcanoes, karst features, beaches, faults and waterfalls.



**Sandy Schenck, Geologist, Delaware Geological Survey**  
Sunday, March 4th Room 225 12:00 PM - 1:15 PM

### '100 YEARS OF WISSAHICKON – What's in a Name'

The Wissahickon Formation was first named over 104 years ago by Renowned Geologist Florence Bascom. Since first recognized and mapped in our area, the Wissahickon has been recognized throughout the piedmont of the Appalachians, and more recently subdivided into various terranes based on age relations and subtle variations in mineralogy. The Wissahickon and its affiliates are well known for large garnets and other interesting collectible minerals in our area.



**Bill Stephens, PG, Stephens Environmental Consulting, Inc., DMS VP of Programs**  
Sunday March 4th, Room 224 1:30 PM to 3:00 PM

### 'Preliminary Evaluation of the Mount Pleasant Mills Wavellite Occurrence, National Limestone Quarry, Mount Pleasant Mills, Snyder County, PA'

Spectacular Wavellite crystals occur at this quarry on the south crest of the mountain where the Ridgely member of the Old Port Formation crops out. This site is a favorite collecting spot of the DMS and other clubs. The site is otherwise unknown in the literature, and the quality of specimens rivals that of world renowned classic localities in Arkansas. And many fluoresce. Come see!