



2022 Eagle Hill Institute
Online Natural History Seminars
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Deep Time: The Paleozoic Era

Dr. Frederick Rogers
June 1st – 10th, 2022

Following up on last year's "Deep Time: A History of Life on Earth", in which we examined the entirety of Earth history, this year we will look at that first, fascinating era of the Phanerozoic Eon, the Paleozoic Era. We will first "set the stage" with a look at that last period of the Neoproterozoic Era, the Ediacaran Period, with its early experiment in animal evolution, the Ediacaran Fauna, then go on to the first period of the Paleozoic Era, the Cambrian Period, and that major event in the evolution of animals, the Cambrian Explosion. We will go from there through the other major tectonic, geochemical, and evolutionary events of the Paleozoic Era, ending with a look at the "Mother of All Mass Extinctions", the Permian Extinction, at the end of the era, and we will examine the links between tectonics, climate, extinction, and evolution.

Scheduling Details

June 1, June 3, June 6, June 8, and June 10
7:00 to 9:00 PM ET

Participants need to have a Zoom account (<https://zoom.us> sign up for zoom is free). You will receive a secure link to join the instructor before each class. Classes will be recorded so participants can review them or make up missed ones.

For more information regarding seminar costs and registration please visit:
<https://www.eaglehill.us/programs/sems-online/general-info.shtml>

About the Instructor

Dr. Frederick Rogers (rogersfs@franklinpierce.edu) is a Professor of Geology and Environmental Science at Franklin Pierce University in Rindge, New Hampshire. He received his bachelor's and master's degrees in geology from the University of Massachusetts, Amherst, and his doctoral degree in geology from the University of Iowa, Iowa City. Within the broad field of geology, his areas of particular interest and research are invertebrate paleontology, micropaleontology, biostratigraphy, and lithostratigraphy, with a focus on Devonian-age brachiopods and conodonts. In addition, he has a long-standing interest in all aspects of evolution, broadly defined – cosmic, geological, and biological – and in the history and philosophy of science.