



2024 Eagle Hill Institute
Online Natural History Seminars
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Myxomycetes (Slime Molds): Taxonomy, Ecology, and Moist Chamber Culturing

Steve Stephenson

January 23rd – February 22nd, 2024

The myxomycetes (also called plasmodial slime molds) are a group of relatively little-known and generally understudied but utterly fascinating organisms found in virtually every terrestrial ecosystem examined to date. Because some myxomycetes superficially resemble certain fungi and occur in similar habitats, the myxomycetes were once considered to be fungi and are still studied largely by mycologists. However, they are not closely related to fungi. This seminar, which will be based around a series of PowerPoint presentations, will cover such topics as the history of study, biology, systematics, morphology, ecology, and global distribution of myxomycetes, as well as how to collect these organisms in the field and obtain specimens in moist chamber cultures for research purposes. In addition, one session will be devoted to the dictyostelids, the “other” slime molds. The presentations will be of interest to students with academic, thesis, and dissertation interests, as well as teachers, field biologists, and naturalists who would like to become more familiar with myxomycetes.

Scheduling Details

Jan 23; Feb 13, 15, 20, 22

7 pm – 9 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

Steve Stephenson (slsteph@uark.edu) is currently an Affiliate Professor in the Department of Biological Sciences at the University of Arkansas. Prior to coming to Arkansas, he was a Professor of Biology at Fairmont State College (now University) in West Virginia for 27 years. His studies of myxomycetes have taken him to all seven continents and examples of every type of major terrestrial biome. He is the author or coauthor of 18 books and more than 450 book chapters and papers in peer-reviewed journals.