



2017 Eagle Hill Natural History Science Seminars . . .
. . . on the coast of eastern Maine

LICHENS AND LICHEN ECOLOGY

July 2 – July 8, 2017

This seminar is designed to help teachers, students, amateurs and those working in state or federal positions become more knowledgeable about lichens. It is suitable for beginners and those who have some familiarity with lichens. With small student numbers and two instructors, we happily accommodate a range of abilities. Lichens are abundant and diverse along the coast of Maine, so participants can pursue topics of interest and also to develop identification skills. This seminar emphasizes both fieldwork and laboratory studies. We focus on identification of specimens using books, keys and chemical spot tests. We provide instruction for how to do these tests and how to cut sections of lichens and their fruiting structures in order to examine the spores. Lichens from open, forested, and seashore habitats will be studied, with an emphasis on the macrolichens, although some crustose species will also receive attention. Lectures and slide presentations will cover topics such as the structure, reproduction, and ecology of lichens, as well as their use by man and their value for pollution monitoring. Those completing this seminar can go on to advanced lichen seminars, such as “Crustose Lichens of Coastal Maine.”



about the instructors

Dr. David Richardson (david.richardson@SMU.CA), Professor and Dean Emeritus at Saint Mary's University in Halifax, Nova Scotia, is a specialist in the effects of air pollution on lichens and has published many research papers and the books, *The Vanishing Lichens* and *Pollution Monitoring with Lichens*. His studies have taken him to England, Ireland, Canada, and Australia.

Dr. Mark Seaward (m.r.d.seaward@bradford.ac.uk), Professor of Environmental Biology at Bradford University, England, is a lichen ecologist. He has written/contributed to eight books and edited the well-known *Lichen Ecology* published by Academic Press, as well as some 400 other publications. He has studied lichens in Eastern and Western Europe, the Middle East, Indian Ocean islands, and Hong Kong.