



## SUBMERSED AND FLOATING AQUATIC PLANTS

August 6 – August 12, 2017

This seminar will focus on the identification, biology, reproduction, structure, invasiveness, and ecology of submersed and floating aquatic flowering plants, especially those of the Haloragaceae and Potamogetonaceae. The Potamogetonaceae of North America and New England represents one of the largest truly aquatic plant families. New England and northeastern North America have the greatest number and diversity of species in the family. This seminar will be especially valuable to consulting botanists, state heritage employees, and those interested in lake monitoring. Field trips will be taken to lakes, ponds, and streams in eastern and northern Maine to collect and observe species found in the pristine waters of the easternmost counties in the US. Discussions, lectures, and lab work will supplement fieldwork. Invasive aquatic plants of the northeast will be discussed in detail and methods of their control will be reviewed. While in the field submersed and floating-leaved species will be reviewed. Herbarium and live material will be available for study.



### about the instructor

**Dr. C. Barre Hellquist** ([c.barre.hellquist@mcla.mass.edu](mailto:c.barre.hellquist@mcla.mass.edu)) is professor emeritus of biology at Massachusetts College of Liberal Arts and is co-author of the *Aquatic Plants of New England* series and the two volume *Aquatic and Wetland Plants of Northeastern North America*. He has co-authored portions of the *Flora of North America* (Nuphar and Alismatidae), the Alismatidae for the Flora of China, the Jepson Manual of California, and the aquatics for the flora of the San Juan River Basin (four corners region of western U.S.). Presently he is studying the systematics of Australian Nymphaea and conducting field studies with his son, Dr. C. Eric Hellquist (SUNY-Oswego) on the aquatic flora of Yellowstone and Grand Teton National Parks. He has taught courses on aquatic plants at the University of Michigan and University of Oklahoma Biological Stations and lectures on the rare aquatic plants and invasive aquatics of the northeast.