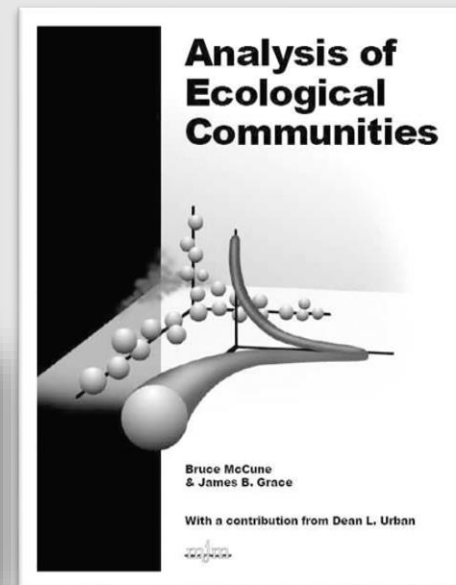
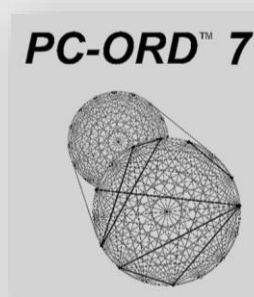
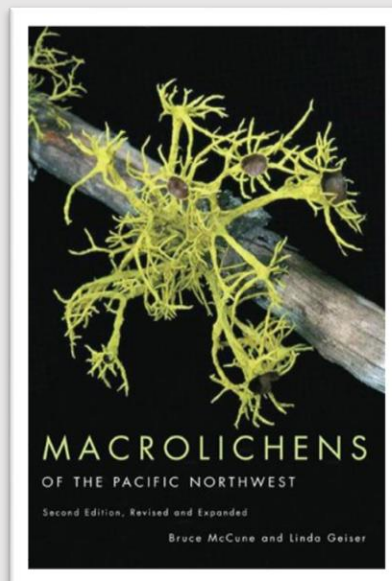


Ships in the night on a sea of biodiversity iNaturalist, herbaria, GenBank, keys, and probabilities



Dr. Bruce McCune
Oregon State University



Join the BGSA:
December 2nd, 4:00 PM
Science B - Room 135

Biodiversity data consist of specimens, images, DNA sequences, and spatial coordinates, but these are poorly connected in the main data sources: collections, collection databases, GenBank, and iNaturalist. The practical problems of identifying organisms and solving phylogenetic puzzles would benefit from improved connections among data types. We also propose improvements in online probabilistic algorithms for species identification, drawing on the concepts of prior probabilities and fuzzy sets.