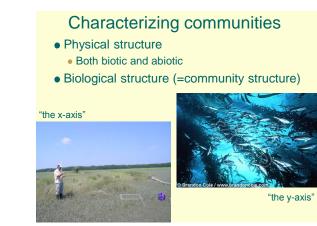
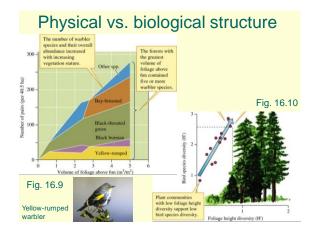
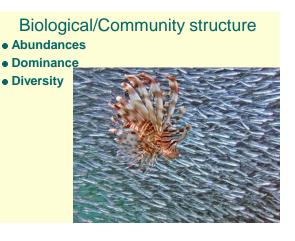


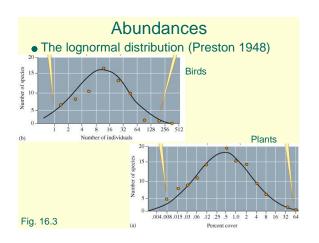
## Lecture outline Community characteristics Physical structure Biological structure Biological structure Abundances Dominance Diversity Disturbance Characteristics Intermediate Disturbance Hypothesis A human-caused example Mt. Rainier NP, Nat. Geo.

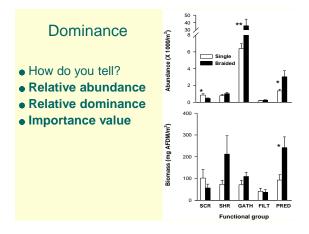


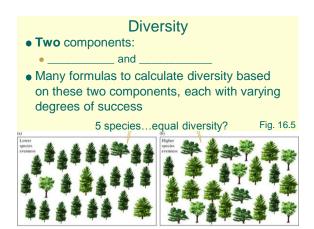


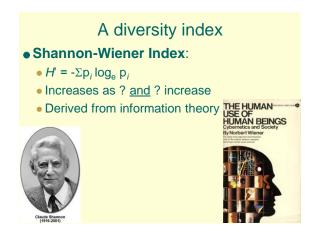


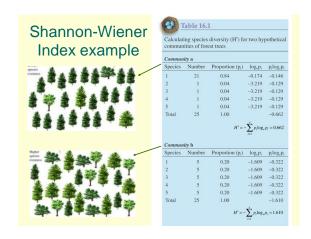














## A picture of species diversity Rank-abundance curves Fig. 16.6

## What controls species diversity?

- Resources?
- Competition?
- Predation?
- Many ecological models assume stable environmental conditions—an equilibrium in order to answer this question
- Is this realistic?



