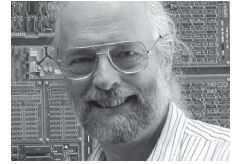

Henry S. Horn

Professor of Ecology and Evolutionary Biology
Ph.D., University of Washington, Seattle, 1966



Research Interests

Horn has a general conceptual interest in the maintenance of patchy populations and diverse communities, and a practical interest in allied woodland history and conservation right around Princeton. His technical research explores how the developmental pattern in a twig unfolds to form a tree, how the tree interacts with its environment and neighbors to form a forest, and how forest dynamics produce a landscape. He also studies adaptive patterns of ecology and social behavior in birds and butterflies; forest succession; and adaptive patterns of morphology, spatial distribution, and dispersal in trees and wildflowers. Horn is the ENV senior thesis colloquium advisor.

Courses

EEB 317: Ecology of Terrestrial Plants

EEB 525: Quantitative Field Ecology

Selected Publications

Nathan, R., N. Sapir, A. Trakhtenbrot, G.G. Katul, G. Bohrer, R. Avissar, M.B. Soons, H.S. Horn, M. Wikelski, and S. Levin. 2005. Details of atmospheric turbulence can help explain biological transport process. *Diversity and Distributions* 11:131-137.

Horn, H.S., R. Nathan, and S.R. Kaplan. 2001. Long-distance dispersal of tree seeds by wind. *Ecological Research* 16:877-885.

Horn, H.S. 2000. Twigs, trees, and the dynamics of carbon in the landscape. In *Scaling in Biology*, edited by J.H. Brown and G.B. West. Santa Fe, NM, and Oxford, UK: Santa Fe Institute and Oxford University Press.

Horn, H.S. 1993. Biodiversity in the Backyard. *Scientific American* 268:150-152.

Contact Information

206, 207 Eno Hall

Tel 609-258-3835

hshorn@princeton.edu