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Phylogeography: The History and Formation of Species FREE

[Brian S. Arbogast](#)

Integrative and Comparative Biology, Volume 41, Issue 1, 1 February 2001, Pages 134–135, <https://doi.org/10.1093/icb/41.1.134>

Published: 01 August 2015

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Phylogeography: The History and Formation of Species. John C. Avise. Harvard University Press, Cambridge, Massachusetts, 2000, viii + 447 pp., \$49.95, (ISBN 0-674-66638-0).

Breakthroughs in DNA sequencing technology in the 1980's revolutionized evolutionary biology, and out of this revolution emerged what has become a highly influential discipline known as phylogeography. Formally introduced a little more than a decade ago by John Avise and his colleagues (Avise *et al.*, 1987), phylogeography is a highly integrative approach used to investigate the relationship between earth history, ecology, and biotic diversification. Phylogeography combines information from population genetics, phylogenetics, geoclimatic history, paleontology, population biology, molecular evolution, and historical biogeography in order to characterize the geographic distributions of genealogical lineages across the geographic landscape (referred to as phylogeographic patterns), and to infer the evolutionary, demographic and biogeographic processes that have shaped these patterns.

...

In this book, Avise...

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Online ISSN 1557-7023

Print ISSN 1540-7063

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