

While it is true that members of most sexually reproducing species can be defined as either male or female, those who belong to the rest of the biological world are not so simply understood. Hermaphroditic creatures reproduce both as male and as female individuals, providing a fascinating glimpse into alternative sexual practices in nature and their ecological and evolutionary successes and failures.



Eloquently written by an award-winning biologist and pioneer in molecular ecology, this primer on hermaphroditism traces the phenomenon throughout Earth's myriad species, accounting for the adaptive significance of alternative sexual systems. Accessible and richly illustrated, the text maps the evolutionary origins of hermaphroditism, as well as its historical instances and fictional representations, underscoring the relevance of dual sexuality to our biological, intellectual, and cultural making. John C. Avise describes the genetics, ecology, phylogeny, and natural history of hermaphroditic plants, fish, and invertebrate animals and details organisms that either reproduce simultaneously as male and female or switch routinely between one sex and the other. Filled with surprising creatures and compelling revelations, this textbook stands alone in its clear yet comprehensive treatment of hermaphroditism and its unique challenge to the supremacy of separate sexes.

JOHN C. AVISE is Distinguished Professor of Ecology and Evolutionary Biology at the University of California, Irvine. He is an elected member of both the National Academy of Sciences and the American Academy of Arts and Sciences, and the author or editor of 20 books, including most recently *Inside the Human Genome: A Case for Non-intelligent Design*, *Molecular Ecology and Evolution: The Organismal Side*, and *Clonality: The Genetics, Ecology, and Evolution of Sexual Abstinence in Vertebrate Animals*.

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FRONT, CLARK'S ANEMONEFISH (*LAMPROLUTUS*)

CLARKII); BACK, BROWN GARDEN SNAIL

(*CANTAREUS ASPERUS*) AND OREGON

CHECKERBLOOM (*SIDALCEA OREGANA*).

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