

In this book, Ito presents data on tropical wasps which suggest that kin-selection has been overemphasized as an evolutionary explanation of sociality. He concentrates on the Vespidae (paper wasps and hornets), a group much discussed by evolutionary biologists because it exhibits all stages of social evolution: subsociality, primitive eusociality, and advanced eusociality. The author reports field observations by himself and others in Central America, Asia, and Australia, showing that multiple egg-layers in a nest are not uncommon. Because coexistence of many queens leads to lower relatedness among colony members than in single-queen colonies, he suggests that kin-selection may not be the most powerful force determining observed social patterns. Instead, subsocial wasps may first have aggregated for defense purposes in habitats with a high risk of predation, with mutualistic associations among many queens. Through parental manipulation and then kin selection, differentiation into within-generation castes may have followed. Of interest to all students of ecology, evolution, and behavior, this book beautifully demonstrates the authors ability to combine wide-ranging data with thoughtful questions.

Landlord to Millionaire, Book Trailer 101: How to create a Book Trailer, Die bauerliche Naturapotheke: Gesund mit traditionellen Hausmitteln (Landleben) (German Edition), The Berenstain Bears at the Super-Duper Market (First First Time Book), Basics of Blood Management, DUI / DWI Enforcement (Criminal Investigation Handbook), There is a Season, Minibeasts: Pupils Book 3 Level 3 (English Through Topics),

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