1. Record Nr. UNINA9910453470103321 Evolutionary behavioral ecology / / edited by David F. Westneat, Charles **Titolo** W. Fox Pubbl/distr/stampa Oxford;; New York:,: Oxford University Press,, 2010 **ISBN** 0-19-533192-3 0-19-971578-5 Descrizione fisica 1 online resource (660 p.) Altri autori (Persone) WestneatDavid F FoxCharles W Disciplina 591.5 Soggetti Animal behavior - Evolution Animal ecology Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Contents; Contributors; Section I. Foundations; 1. Ingenious Ideas: The History of Behavioral Ecology; 2. Adaptation; Box 2.1. Optimality Models; 3. Behavioral Concepts of Selection; 4. What Is Fitness, and How Do We Measure It?; 5. The Genetic Basis of Behavior; Box 5.1. A Brief Introduction to Quantitative Genetics; Box 5.2. Diversity of Sex-Determining Mechanisms; 6. Behavior as Phenotypic Plasticity; Box 6.1. Contrasting Quantitative Genetic Models for the Evolution of Plasticity; Box 6.2. Contrasting Statistical Methods for Studying Phenotypic **Plasticity** 7. Evolution of Behavior: Phylogeny and the Origin of Present-Day DiversityBox 7.1. Comparative Methods; Section II. Decision Making; 8. Decision Theory; Box 8.1. A DSV Model of Clam Life History Decisions; 9. Information Use and Sensory Ecology; Box 9.1. How Sensory Systems Work: Vision as an Example; 10. Information Processing: The Ecology and Evolution of Cognitive Abilities; Box 10.1. Testing Cognition in the Field; Section III. Ecology of Behavior; 11. Foraging Theory; Box 11.1. Allocating Eggs among Multiple Hosts by Parasitic Insects; 12.

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Sommario/riassunto

Evolutionary Behavioral Ecology is intended to be used as a text for graduate students and a sourcebook for professional scientists seeking an understanding of the evolutionary and ecological processes shaping behavior across a wide array of organisms and a diverse set of behaviors. Chapters are written by leading experts in the field, providing a core foundation, a history of conceptual developments, and fresh insight into the controversies and themes shaping the continuing development of the field. Essays on adaptation, selection, fitness, genetics, plasticity, and phylogeny as they pertain