

1. Record Nr.	UNINA9910465254903321
Titolo	Animal thinking : contemporary issues in comparative cognition / / edited by Randolph Menzel and Julia Fischer
Pubbl/distr/stampa	Cambridge, Massachusetts ; ; London, England : , : The MIT Press, , 2011 ©2011
ISBN	0-262-29898-8
Descrizione fisica	1 online resource (355 p.)
Collana	Strungmann Forum Reports
Disciplina	591.5/13
Soggetti	Cognition in animals Animal navigation Decision making in animals Social behavior in animals Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Eighth Ernst Strungmann Forum held Sep. 26-Oct. 1, 2010, Frankfurt am Main."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; The Ernst Strungmann Forum; List of Contributors; 1 Animal Thinking: An Introduction; Navigation; 2 Navigation and Communication in Honeybees; 3 Navigating in a Three-Dimensional World; 4 Making the Case for the Intelligence of Avian Navigation; 5 Animal Navigation: A Synthesis; Decision Making and Planning; 6 Goal- Directed Behavior and Future Planning in Animals; 7 Mechanisms for Decisions about the Future; 8 Status of Nonhuman Memory Monitoring and Possible Roles in Planning and Decision Making; 9 Planning, Memory, and Decision Making; Communication 10 Where Is the Information in Animal Communication?11 Communication in Social Insects: Sophisticated Problem Solving by Groups of Tiny-Brained Animals; 12 Language and Episodic Sharing; 13 Communication; Knowledge; 14 How Intelligent Is Machiavellian Behavior?; 15 Simple Reactions to Nearby Neighbors and Complex Social Behavior in Primates; 16 Cooperation in Nonhuman Primates: Function and Cognition; 17 How Folk Psychology Ruined Comparative Psychology: And How Scrub Jays Can Save It; 18 Social Knowledge;

Sommario/riassunto

"Do animals have cognitive maps? Do they possess knowledge? Do they plan for the future? Do they understand that others have mental lives of their own? This volume provides a state-of-the-art assessment of animal cognition, with experts from psychology, neuroscience, philosophy, ecology, and evolutionary biology addressing these questions in an integrative fashion. It summarizes the latest research, identifies areas where consensus has been reached, and takes on current controversies. Over the last thirty years, the field has shifted from the collection of anecdotes and the pursuit of the subjective experience of animals to a rigorous, hypothesis-driven experimental approach. Taking a skeptical stance, this volume stresses the notion that in many cases relatively simple rules may account for rather complex and flexible behaviors. The book critically evaluates current concepts and puts a strong focus on the psychological mechanisms that underpin animal behavior. It offers comparative analyses that reveal common principles as well as adaptations that evolved in particular species in response to specific selective pressures. It assesses experimental approaches to the study of animal navigation, decision making, social cognition, and communication and suggests directions for future research. The book promotes a research program that seeks to understand animals' cognitive abilities and behavioral routines as individuals and as members of social groups"--MIT CogNet.
