



# Animal Behavior

By Michael D. Breed, Janice Moore

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**Animal Behavior** By Michael D. Breed, Janice Moore

*Animal Behavior* covers the broad sweep of animal behavior from its neurological underpinnings to the importance of behavior in conservation. The authors, Michael D. Breed and Janice Moore, bring almost 60 years of combined experience as university professors to this textbook, much of that teaching animal behavior.

An entire chapter is devoted to the vibrant new field of behavior and conservation, including topics such as social behavior and the relationship between parasites, pathogens, and behavior. Thoughtful coverage has also been given to foraging behavior, mating and parenting behavior, anti-predator behavior and learning.

This text addresses the physiological foundations of behavior in a way that is both accessible and inviting. Each chapter begins with learning objectives and concludes with thought-provoking questions. Additionally, special terms and definitions are highlighted throughout.

The book provides a rich resource for students (and professors) from a wide range of life science disciplines.

- Provides a solid background in the neurophysiological and endocrinological bases of animal behavior as well as exceptionally strong coverage of social behavior
- Includes behavior and homeostatic mechanisms, behavior and conservation, and behavioral aspects of disease
- Highlights aspects of behavior that relate to domestic animals in particular
- Lab manual with fully developed and tested laboratory exercises available for courses that have labs  
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- Companion site for faculty and students to enhance their learning experience at: [www.elsevierdirect.com/companions/9780123725813](http://www.elsevierdirect.com/companions/9780123725813)

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## **Animal Behavior By Michael D. Breed, Janice Moore Bibliography**

- Sales Rank: #1326542 in eBooks
- Published on: 2011-01-04
- Released on: 2011-01-04
- Format: Kindle eBook

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## Editorial Review

### Review

*"Breed & Moore present an accessible introduction to behaviour that simultaneously captures the dynamic nature and diversity of the field. The text is focused on functional and evolutionary approaches to questions in behaviour, addressing only the bare bones of neural, physiological and genetic mechanisms. Thorough coverage is provided of empirical and theoretical approaches to learning and cognition, cooperation and social behaviour, foraging and movement, and sexual selection and parental care. Topical and relevant areas are emphasized, such as the intersection between conservation and behaviour, and predicting behavioural responses to climate change."--Animal Behaviour 84 (2012) 289–291*

### About the Author

After receiving my PhD from the University of Kansas in 1977, I came to Colorado to work as a faculty member at the University of Colorado, Boulder, where I have been ever since. I am currently a Professor in the Department of Ecology and Evolutionary Biology, and I teach courses in general biology, animal behavior, insect biology, and tropical biology. My research program focuses on the behavior and ecology of social insects, and I have worked on ants, bees, and wasps. I have studied the nestmate recognition, the genetics of colony defense, the behavior of defensive bees, and communication during colony defense. I was Executive Editor of *Animal Behaviour* from 2006-2009.

As an undergraduate, I was inspired by parasitologist Clark P. Read to think about the ecology and evolution of parasites in new ways. I was especially excited to learn that parasites affected animal behavior, another favorite subject area. Most biologists outside the world of parasitology were not interested in parasites; they were relegated to a nether world someplace between the biology of free-living organisms and medicine. After peregrination through more than one graduate program, I completed my PhD studying parasites and behavior at the University of New Mexico. I did postdoctoral work on parasite community ecology with Dan Simberloff at Florida State University, and then accepted a faculty position at Colorado State University, where I have remained since 1983. I am currently a Professor in the Department of Biology where I teach courses in invertebrate zoology, animal behavior, and history of medicine. I study a variety of aspects of parasite ecology and host behavior ranging from behavioral fever and transmission behavior to the ecology of introduced parasite species.

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