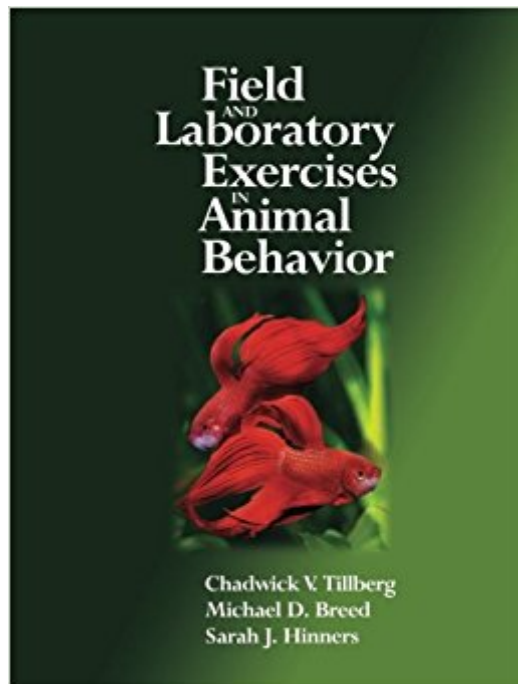




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# Field And Laboratory Exercises In Animal Behavior



## Synopsis

Field and Laboratory Exercises in Animal Behavior is an interactive laboratory manual for students in animal behavior, ethology, and behavioral ecology. It is the first of its kind in this subject area that guides students through the diverse and fascinating fields of behavioral and ethological studies, employing a wide array of organisms as model systems for the study of behavior. Students participate in the development of hypothesis and turn the recording, analysis, and interpretation of data into an active and engaging process. A teacher-friendly companion website provides extensive teaching notes on the background to each lab project, tips and hints for successful project presentation, sources for studying organisms, ideas for variations in labs, and alternate study organisms. This text is recommended for undergraduate courses in Animal Behavior, Ethology, and Behavioral Ecology. Provides fully developed and tested laboratory exercises Offers both field and lab experiences- adaptable for fall, spring, or summer courses Laboratories emphasize student thought and involvement in experimental design Includes an online supplement to the manual for teachers

## Book Information

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## Customer Reviews

"I particularly like the introductory chapters about conducting independent research and presenting results. I also like the appendices with information about techniques in behavioral analysis and statistics. I like the range of exercises offered and the fact that many different types of study organisms are used." --Mansfield University "I like that it describes how to come up with independent projects in animal behavior and it has lots of feasible field studies (especially on

pollination/foraging) that can be done anywhere." --Birmingham-Southern College "I really like the way it takes students through the thought processes involved in a discovery exercise (the way I teach this course). I suggest that the statistics section also include nonparametric tests since these are used so much in behavior." --The College of Mount Saint Vincent

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.

I found this book very helpful, providing an easy step by step guide for students and research beginners. More examples of animals for the field observation and experiment would be fantastic.

I haven't had a chance to read it yet but I plan to use it when I go back to school

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