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Animal behavior alcock 10th edition pdf

This new edition of Animal Behavior has been thoroughly rewritten with coverage of much recent work in animal behavior. However, the scope of the changes for the tenth edition is much more comprehensive than those of previous revisions. Thoughtful suggestions from many readers inspired a major reorganization of the material, such that the new book presents the central concepts of animal behavior in a different order from previous editions: The Theory of Evolution by Natural Selection. Instead of introducing the concept of proximate and final causation and then focusing heavily on the proximate mechanisms of behavior in the early chapters, this edition focuses first on the evolutionary basis of behavior. Chapter 1 presents the concept of a Darwinian puzzle, a trait that exists, even though it seems to reduce the reproductive success of individuals, in which case it should have been eliminated by natural selection. The emphasis on Darwinian puzzles continues, with an in-depth discussion of the evolution of altruism in Chapter 2 (versus Chapter 14) and the subsequent exploration of the adaptive value of a wide range of traits of anti-predator reproductive and parental behavior activities. The distinction between Proximate and Ultimate Causation in Biology. Once the main findings of behavioural ecology have been examined, the book focuses its attention on the proximate mechanisms underlying animal behavior. Again, the emphasis remains on the evolutionary puzzles provided by certain developmental and neurophysiological mechanisms. This approach provides continuity with previous chapters while readers can see the links between adaptive behavior and the adaptive internal systems that enable this behavior. The procedures that scientists use to test their preliminary explanations for things like Darwinian puzzles. The text shows how researchers use scientific logic to study the underlying mechanisms and the evolutionary bases of behavior. The emphasis is on how the theory of evolution unites the different subdisciplines within animal behavior. These points are again highlighted in the last chapter on human behavior, with the treatment of proximate and the ultimate causes of language and the evolution of partner choice in our species. Enduring features of previous editions remain evident in this new book: the clear, engaging writing style; text beautifully illustrated with lots of new photos; references to a large number of new scientific articles; and a significant number of new and old discussion questions embedded in the text. For instructors available for qualified adopters of animal behavior, the Tenth Edition includes Resource Library a variety of educational and laboratory resources. The IRL contains the following: Textbook Figures & Tables All the figures of the textbook (art and photographs) and tables are present both JPEG (high and low resolution) formats and PowerPoint formats. All images are formatted and optimized for excellent projection quality. Animal Behavior Video Collection This collection of video segments brings to life many of the specific behaviors discussed in the textbook. Composed of the collection of the Cornell Lab of Ornithology's Macaulay Library and of many individual researchers, these clips are great for use in the classroom. The segments are short and easy to include in lectures. All segments come as QuickTime movies and in ready-made PowerPoint presentations. Teaching animal behavior: an instructor's guide to animal behavior, tenth edition Teaching Animal Behavior offers instructors various means to facilitate the preparation of lectures, quizzes and exams. Content includes: * Answers to the discussion questions in the textbook* Sample quiz questions and answers* Sample exam questions and answers* Descriptions when collecting animal behavior videos* A list of films about animal behavior for use in the classroom Learn the skills of research: Animal behavior exercises in the laboratory and Field Edited by Elizabeth M. Jakob and Margaret Hodge Students learn best about the process of science by conducting projects from start to finish. Animal behavior laboratory classes are particularly suitable for independent student research, because high-quality projects can be carried out with simple materials and in a variety of environments. The exercises in this electronic lab manual are aimed at helping students learn about all stages of the scientific process: hypothesis development, observing and quantifying animal behavior, statistical analysis, and data presentation. Additional exercises allow students to practice these skills, with topics ranging from habitat selection in isopods to human navigation. Both documentation of students and instructors is provided. Datasheets and other additional materials are offered in editable formats that instructors can change as desired. Visit the help section or contact us at Buy Animal Behavior 10th edition () by John Alcock for up to 90% off This new edition of Animal Behavior has been thoroughly rewritten with coverage of a lot of recent work in animal. The scope of the changes for the tenth edition, however, is much. I've become a big fan of John Alcock. Animal Behavior: An Evolutionary Approach by John Alcock from \$ Animal Behavior: An Evolutionary Approach has 8 available editions to buy from. 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