Nerve Cells and Animal Behaviour

Peter J. Simmons, David Young
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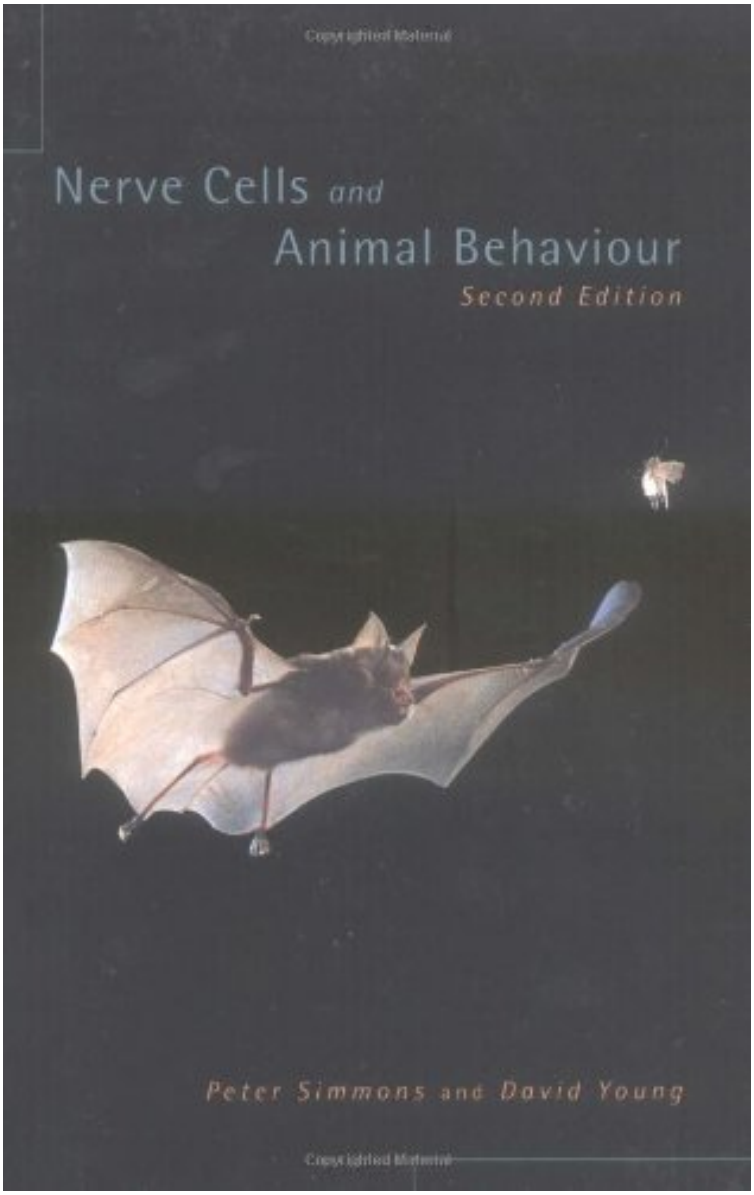

#7838458 in Books Cambridge University Press 1999-10-28Original language:EnglishPDF # 1 8.98 x .63 x 5.98l, .9 #File Name: 0521627265280 pages | File size: 36.Mb

Peter J. Simmons, David Young : Nerve Cells and Animal Behaviour before purchasing it in order to gage whether or not it would be worth my time, and all praised Nerve Cells and Animal Behaviour:

0 of 0 people found the following review helpful. perfect quality. Arrived quicklyBy SydneyMuch smaller textbook than I expected for $100. But, perfect quality. Arrived quickly.0 of 2 people found the following review helpful. Hard

but interestingBy GirlI had to buy this book for school. It has a number of articles on neurologic aspects of behavior written by different authors. The material might be hard to understand to somebody without a biology background.

This new edition of Nerve Cells and Animal Behaviour has been updated and expanded by Peter Simmons and David Young in order to take into account more recent advances while still maintaining the book's accessibility to university students. The book introduces the reader to the way in which nervous systems of animals control behavior without assuming any prior knowledge of neurophysiology. Using a carefully selected series of behavior patterns, students are taken from an elementary-level introduction to a point where sufficient detail has been assimilated to allow a satisfying insight into current research on how nervous systems control and generate behavior. Only examples where it has been possible to establish a clear link between the activity of particular nerve cells and a pattern of behavior have been used. Throughout the book, important terms appear in bold type and boxes are used to highlight specific related topics. This book is essential reading for students of zoology, psychology, and physiology and serves as a clear introduction to neuroethology.

"In a nutshell, it provides a very comprehensive picture of what we know of neural systems and behaviour, and it does so in a concise, easy-to-read format that students will love!...The text by Simmers and Young would make an excellent supplementary book for a neurobiology course, or it could serve as an excellent textbook for a more advanced neurobiology course, specializing in neural systems and behaviour." Bulletin of the Canadian Society of ZoologistsAbout the AuthorPeter Simmons regularly publishes research on insect neurobiology, especially on the ocellar and compound eye visual systems and their role in controlling flight, and on the physiology of synaptic transmission. He is currently Director of the Zoology Degree at Newcastle.David Young has undertaken research and teaching on the link between neurobiology and behaviour in insects, looking at both sensory and motor systems. A special interest has been the mechanisms of sound production in crickets and cicadas. He is also the author of The Discovery of Evolution (2007).