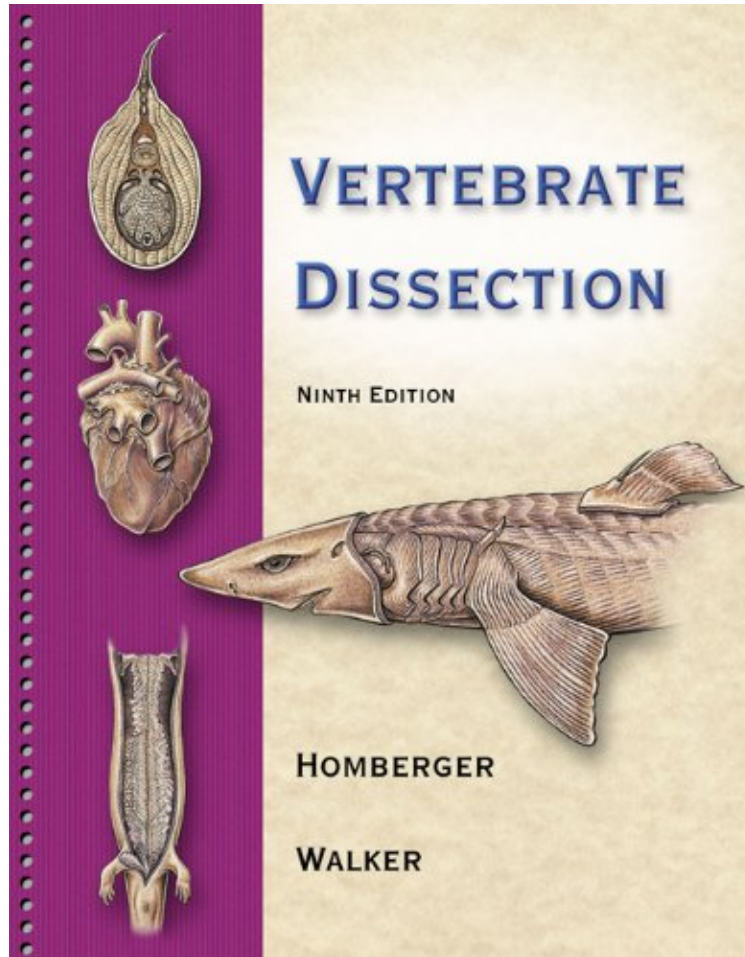


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Vertebrate Dissection

Dominique G. Homberger, Warren F. Walker
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#733540 in Books 2003-04-29Original language:EnglishPDF # 1 .96 x 8.96 x 10.78l, 2.05 #File Name: 0030225221480 pagesbest manual for dissection course. | File size: 30.Mb

Dominique G. Homberger, Warren F. Walker : Vertebrate Dissection before purchasing it in order to gage whether or not it would be worth my time, and all praised Vertebrate Dissection:

0 of 0 people found the following review helpful. Five StarsBy Customernew but expensive1 of 1 people found the following review helpful. Vertebrate DissectionBy Aleksa KojcinovicI loved the book. The course was pretty hard but the book helped me out a lot and the pictures and diagrams were pretty good.8 of 8 people found the following review helpful. Good but some of pictures are tough to discernBy TaphonomyHaving taught Comparative Anatomy Lab with this book I would not recommend it to someone who is going through dissection for the first time and alone. A good sense of terms (ie. medial, caudal etc)and such is a must. Even having gone through dissections of hundreds of cats some things are still difficult to find. However I like how it ties things together and shows step wise evolution of vertebrates from lampreys to cats.

VERTEBRATE DISSECTION, Ninth Edition, provides exceptionally thorough and student-tested descriptions of dissection procedures and the steps needed to find all structures. It encourages and facilitates active and self-directed learning by the students so that instructors can teach more effectively and efficiently. The manual emphasizes dissection procedures that preserve as many structures as possible for later review of the entire specimens. This approach is an excellent preparation for students who will subsequently take anatomy courses in the health and animal sciences. Moreover, this manual places the observed material into an evolutionary and functional context. Students will understand the biological role, physiology, and embryonic development of each organ system and its parts, and how the various organ systems have evolved over time and in different animals. Organized by organ systems, this text brings the anatomy alive for students by interspersing narrative text throughout and explaining how the shape and structure of an organ relates to its function, and how evolutionary processes have transformed the form and function of organs. Additionally, the authors introduce a new feature, Anatomy in Action boxes, which contain interesting supplemental material that provides a broader context. Some of these boxes relate to functional anatomy, some make comparisons between different animals, and some address general biological questions that may include comparisons to the anatomy and biology of human beings.

"...it is one of the few books on the market that actually incorporates evolution into every chapter, so that dissections and structures have a better framework for students." About the Author Dominique G. Homberger is a Professor at Louisiana State University and AM College in Baton Rouge, where she has been teaching for more than 20 years after earning a doctorate from the University of Zurich, Switzerland and a post-doctoral fellowship at Columbia University. Well known for her studies on functional, ecological and evolutionary morphology of birds, Dr. Homberger has published two research monographs, numerous articles and book chapters, and four laboratory manuals. She has organized and edited several symposia on various subjects. She is an editor of *Zoology* and *Zoologischer Anzeiger*, and a member of the editorial board of *Journal of Biosciences*. In recognition of her contributions, she has been elected a Fellow of the American Association for the Advancement of Science, the American Ornithologists Union, and the Association for Women in Science. Warren F. Walker, Jr., is Emeritus Professor at Oberlin College, where he taught for 38 years after taking a Harvard doctorate. Well known for his articles on reptile anatomy and locomotion, Dr. Walker is the author of seven laboratory manuals and textbooks published in over 30 editions and in several translations. In addition to being the coauthor of *Vertebrate Dissection*, Dr. Walker is also coauthor of the Brooks/Cole title *FUNCTIONAL ANATOMY OF THE VERTEBRATES*, Third Edition by Liem/Bemis/Walker/Grande.