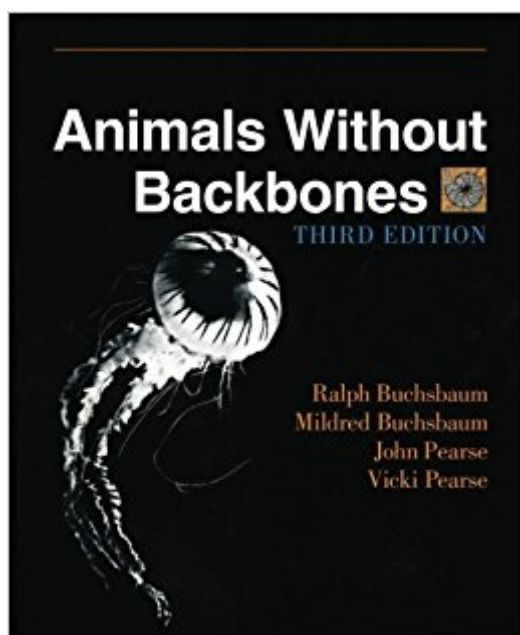


The book was found

# Animals Without Backbones: An Introduction To The Invertebrates (Third Edition)



## Synopsis

Animals Without Backbones has been considered a classic among biology textbooks since it was first published to great acclaim in 1938. It was the first biology textbook ever reviewed by Time and was also featured with illustrations in Life. Harvard, Stanford, the University of Chicago, and more than eighty other colleges and universities adopted it for use in courses. Since then, its clear explanations and ample illustrations have continued to introduce hundreds of thousands of students and general readers around the world to jellyfishes, corals, flatworms, squids, starfishes, spiders, grasshoppers, and the other invertebrates that make up ninety-seven percent of the animal kingdom. This new edition has been completely rewritten and redesigned, but it retains the same clarity and careful scholarship that have earned this book its continuing readership for half a century. It is even more lavishly illustrated than earlier editions, incorporating many new drawings and photographs. Informative, concise legends that form an integral part of the text accompany the illustrations. The text has been updated to include findings from recent research. Eschewing pure morphology, the authors use each group of animals to introduce one or more biological principles. In recent decades, courses and texts on invertebrate zoology at many universities have been available only for advanced biology majors specializing in this area. The Third Edition of Animals Without Backbones remains an ideal introduction to invertebrates for lower-level biology majors, nonmajors, students in paleontology and other related fields, junior college and advanced high school students, and the general reader who pursues the rewarding study of the natural world.

## Book Information

Paperback: 584 pages

Publisher: University of Chicago Press; 3rd edition (July 15, 1987)

Language: English

ISBN-10: 0226078744

ISBN-13: 978-0226078748

Product Dimensions: 7.5 x 1.3 x 9.1 inches

Shipping Weight: 2.7 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 16 customer reviews

Best Sellers Rank: #266,357 in Books (See Top 100 in Books) #29 in Books > Science & Math > Biological Sciences > Zoology > Invertebrates #237 in Books > Textbooks > Science & Mathematics > Biology & Life Sciences > Zoology #2655 in Books > Science & Math > Biological Sciences > Biology

## Customer Reviews

â œlf you had told the ten-year-old me that *Animals without Backbones* was a classic biology textbook, I would never have picked it up. I struggled to, anyway: the decades-old dog-eared copy that I found at the back of my dad&#39;s bookcase had a loose monochrome cover that always wanted to come off in my hands. This was a link to his world as a scientist, and to what he did all day. (Actually, he was a research chemist, but what did I know.) More, the book was a glimpse of a world just as alien as those in the pages of my 2000 AD comic, peopled with warlocks and genetic infantrymen. The pictures looked hand-drawn, and showed features on the outside of the creatures as well as their inner structures. I studied those pages and copied the drawingsâ ”the stunning representation of the Hydra especiallyâ ”into my sketch pad, next to Rogue Trooper and Judge Dredd. 2000 AD later published one of those drawings, but it was the fantastic stories of the true, hidden world of invertebrates that really fired my imagination.â • (David Adam Nature)

Ralph Buchsbaum was professor emeritus of biology at the University of Pittsburgh. Mildred Buchsbaum has collaborated on previous editions of *Animals Without Backbones*. John Pearse, a professor of biology at the University of California, Santa Cruz, and Vicki Pearse, a research associate in biology at the University of California, Santa Cruz, are coeditors with A. C. Giese of the multivolume *Reproduction of Marine Invertebrates* and have published many papers in invertebrate zoology.

I picked up an old, first edition of this book whilst recovering from an exhausting trip to Northern Africa. We were staying at a mother of a friend's house in southern Spain, and this just happened to be on the bookshelf. It was pretty much on a whim that I started to thumb through this book, but I was pretty quickly drawn in. Starting with the anatomy and life-cycles of simple single-celled animals, through polyps, nematodes, crustaceans, and insects, it's a fascinating look at the vast preponderance of species on our planet. I didn't realize it at the time, but this is one of the seminal texts on invertebrates. It got me interested in biology as a whole (see "The Machinery of Life" for another amazing book). The edition I picked up discussed genetics, but was dated long before the discovery of DNA (which makes for some amusing reading). The current edition does include (fairly) modern genetics, but its real appeal is in the descriptions of the animals and processes themselves, which have not changed much over the years. One warning: if you are at all squeamish about insects, there are one or two plates in the book that once seen, can not be unseen (beware the Giant Water Bug). However, the book is really worth the minor trauma. Cheers, Matt

One has to be impressed when a biology textbook has been in print since 1938. While the illustrations and photographs are dated, the writing is readable and relevant. A pithy and interesting overview of most of the animals on earth for 1/4 the price of the encyclopedic textbooks of the genre is a win-win for professor and student. Most colleges and universities will no doubt prefer the-dry-as-a-cuttlebone texts out there. If you want to know about the invertebrates, get this book. If you want an expensive reference book that you won't read but can refer to, there are \$200+ choices out there, notably the books associated with Robert D. Barnes. Or for \$0, you can refer to Wikipedia. If you don't intend to pursue invertebrate zoology as a profession but want to know about invertebrate animals, you can't go wrong with this book. It was my textbook in 1970, and I read the whole thing that semester [and nobody reads an entire textbook].

Currently using this in my high school Invertebrate Zoology class (one semester). This book is amazing and far surpasses other books I have tried to use. Language is clear and easy to read. Although it is more detailed than my level of course requires, it is easy for the instructor to pick and choose page readings to suit the audience. Highly recommend! I wish there was a vertebrate book that was comparable.

This book basically saved my life during the associated anatomy course. READ IT, if you are taking a similar course.

Awesome primer before you get into a university level invertebrate biology text. I can't say enough...this book will come with me always.

a classic text

Perfect! Its like brand new. It has no mark or highlights in it

Brilliant exposition that is both simple to understand and comprehensive.

[Download to continue reading...](#)

Animals Without Backbones: An Introduction to the Invertebrates (Third Edition) Third Eye: Third Eye Activation Mastery, Easy And Simple Guide To Activating Your Third Eye Within 24 Hours (Third Eye Awakening, Pineal Gland Activation, Opening the Third Eye) Sea of Cortez Marine

Animals: A Guide to the Common Fishes and Invertebrates Baja California to Panama Marine  
Animals of Baja California: A Guide to the Common Fishes and Invertebrates Ecology and  
Classification of North American Freshwater Invertebrates, Third Edition (Aquatic Ecology  
(Academic Press)) Animals, Animals, Animals! Mad Libs Junior FARTING ANIMALS COLORING  
BOOK ( 32 Fun Designs ): Lion,Cat,Fox,Horse,Monkey,Dog,Pig,Bear,Tiger and other hilarious  
farting animals. Coloring is Fun ( Animals Coloring Book ) Book for kids: 30 Most Poisonous  
Animals in the World that You Should Know!: Incredible Facts & Photos to the Some of the Most  
Venomous Animals on Earth (Deadliest Animals) Book for kids: 30 Most Poisonous Animals in the  
World that You Should Know! : Incredible Facts & Photos to the Some of the Most Venomous  
Animals on Earth (Deadliest Animals 2) Wee Sing Animals, Animals, Animals "I'm Home!" a Cat's  
Never Ending Love Story: Pets Past Lives, Animal Reincarnation, Animal Communication, Animals  
Soul Contracts, Animals Afterlife & Animals Spirits An Introduction to the Invertebrates  
Homesteading Animals 4-Book Bundle: Rearing Rabbits, Chickens, Ducks and Geese. A  
comprehensive introduction to raising popular farmyard animals Introduction to the Musical Art of  
Stage Lighting Design - Third Edition: Third Edition Pennak's Freshwater Invertebrates of the United  
States: Porifera to Crustacea, 4th Edition Hawaii's Sea Creatures: A Guide to Hawaii's Marine  
Invertebrates, Revised Edition Invertebrates - Second Edition [Hardcover] Thorp and Covich's  
Freshwater Invertebrates, Fourth Edition: Keys to Nearctic Fauna Invertebrates: Form and Function,  
The: A Laboratory Guide (2nd Edition) Thorp and Covich's Freshwater Invertebrates, Fourth Edition:  
Ecology and General Biology

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)