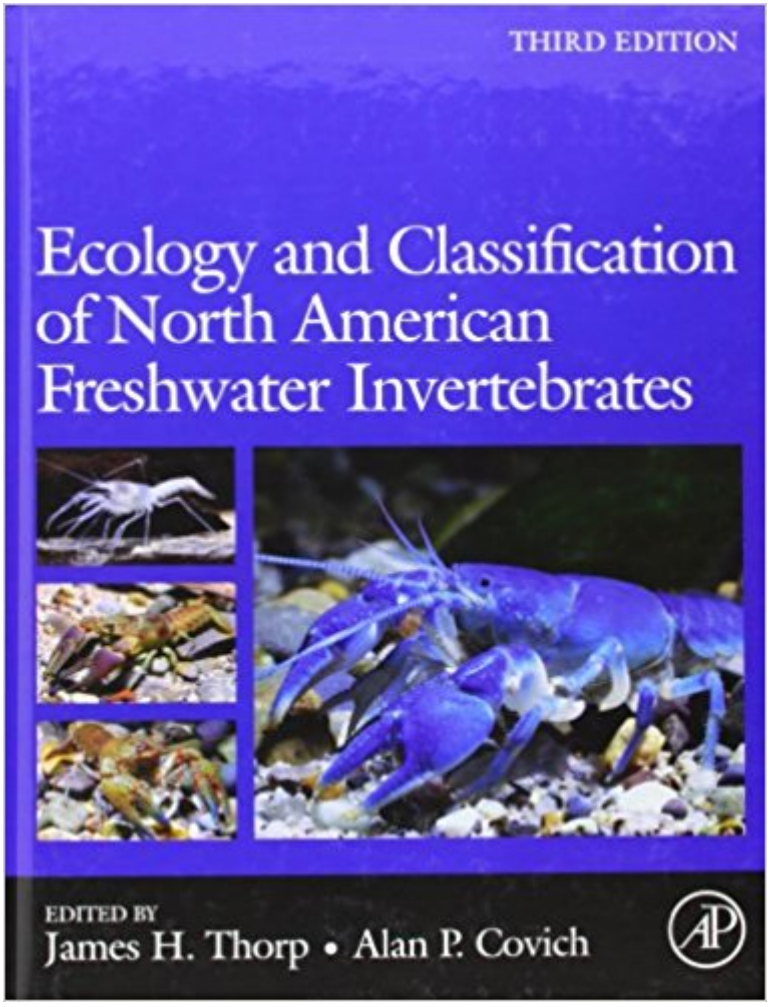
Ecology And Classification Of North American Freshwater Invertebrates, Third Edition (Aquatic Ecology (Academic Press))



Synopsis

The Third Edition of Ecology and Classification of North American Freshwater Invertebrates continues the tradition of in-depth coverage of the biology, ecology, phylogeny, and identification of freshwater invertebrates from the USA and Canada. This edition is in color for the first time and includes greatly expanded classification of many phyla.Contains extensive and detailed classification keys for identification of diverse freshwater invertebrates.Many drawings and color photographs of freshwater invertebrates.Single source for a broad coverage of the anatomy, physiology, ecology, and phylogeny of all major groups of invertebrates in inland waters of North America, north of Mexico.

Book Information

Series: Aquatic Ecology (Academic Press)

Hardcover: 1021 pages

Publisher: Academic Press; 3 edition (December 8, 2009)

Language: English

ISBN-10: 0123748550

ISBN-13: 978-0123748553

Product Dimensions: 8.6 x 1.8 x 11.2 inches

Shipping Weight: 6.4 pounds (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 stars 5 customer reviews

Best Sellers Rank: #214,790 in Books (See Top 100 in Books) #7 inÂ Books > Science & Math > Biological Sciences > Taxonomic Classification #9 inÂ Books > Science & Math > Earth Sciences > Geology > Limnology #24 inÂ Books > Science & Math > Biological Sciences > Zoology > Invertebrates

Customer Reviews

â œThank you for the opportunity to comment on the latest edition of Thorp and Covich. I have admired prior editions of this superb book for its comprehensive coverage of freshwater invertebrates. The current edition improves upon the high standard set by prior editions through the use of color and greater taxonomic specificity. Authored by an outstanding collection of experts, individual chapters provide comprehensive coverage of morphology, physiology and ecology, as well as methods for collecting, rearing and preserving freshwater invertebrates. Together with chapters on ecology and habitats of inland waters, this carefully edited volume provides the central knowledge of freshwater invertebrates that every student and researcher will find invaluable. I highly

recommend this superb new edition of Thorp and Covich â “ it is a must-own volume that every student and researcher of freshwater invertebrates will find invaluable.” J. David Allan, Ph.D. Professor and Acting Dean School of Natural Resources and Environment The University of Michigan *** â œThis 3rd edition contains a wealth of information, which has expanded its utility beyond the earlier editions. Thorp and Covich gathered the recognized experts in North America to compile the full extent of current knowledge on this diverse group of aquatic fauna. The color plates are amazing and add tremendous value to both the learner and learned of the invertebrate biologists.” Michael T. Barbour, PhD Director, Center for Ecological Studies Tetra Tech, Owings Mills, Maryland *** "At last, after half a century, this new edition of Thorp and Covich is a worthy successor to Edmondsonâ ™s (1957) classic second edition of Ward and Whippleâ ™s Freshwater Biology. It brings us up to date on the amazing advances in the biology of freshwater invertebrates, the keys are detailed, and the illustrations as beautiful as they are useful." Nelson G. Hairston, Jr. Frank H.T. Rhodes Professor of Environmental Science Department of Ecology and Evolutionary Biology Cornell University *** â œThe 3rd edition of Thorp and Covich has been extensively revised. The chapters are written by experts who present up-to-date reviews on the structure, function, ecology, and systematics of each invertebrate group. The biggest change from the 2nd edition is an expansion of the taxonomic keys to allow identifying many of the taxa to the species level. References to more-detailed monographs and web sites allow users to quickly gain a fuller perspective on particular groups of interest. The book should continue to be a vital resource for research labs and as a classroom text.” John E. Havel, Ph.D. Professor of Biology Missouri State University "The 3rd edition of Ecology and Classification of North American Freshwater Invertebrates continues the tradition of in-depth coverage of the biology, ecology, phylogeny, and identification of freshwater invertebrates from the USA and Canada. This edition is in color for the first timeÂ and includes greatly expanded classification of many phyla and a downloadable set of references for all chapters."--GrrlScientistâ ™s Maniraptora blog on Nature.com "This third edition ensures that this work will remain the most up-to-date and comprehensive information source on freshwater invertebrate animals in the US and Canada. Numerous color photographs and some diagrams now brighten more than half of the new chapters. Fifty coauthors contributed, a 35 percent increase from the second editionâ |. Highly recommended."--CHOICE

Dr. James H. Thorp has been a Professor in the Department of Ecology and Evolutionary Biology at the University of Kansas (Lawrence, KS, USA) and a Senior Scientist in the Kansas Biological

Survey since 2001. Prior to returning to his alma mater, Prof. Thorp was a Distinguished Professor and Dean at Clarkson University, Department Chair and Professor at the University of Louisville, Associate Professor and Director of the Calder Ecology Center of Fordham University, Visiting Associate Professor at Cornell, and Research Ecologist at the University of Georgiaâ ™s Savannah River Ecology Laboratory. He received his Baccalaureate from the University of Kansas (KU) and both Masters and Ph.D. degrees from North Carolina State. Those degrees focused on zoology, ecology, and marine biology, with an emphasis on the ecology of freshwater and marine invertebrates. Dr. Thorp is currently on the editorial board of two journals (River Research and Applications and River Systems) and is a former President of the International Society for River Science. He teaches freshwater, marine, and general ecological courses at KU, and his Masters and doctoral graduate students work on various aspects of the ecology of organisms, communities, and ecosystems in rivers, reservoirs, and wetlands. Prof. Thorpâ ™s research interests and background are highly diverse and span the gamut from organismal biology to community, ecosystem, and macrosystem ecology. He works on both fundamental and applied research topics using descriptive, experimental, and modeling approaches in the field and lab. While his research emphasizes aquatic invertebrates, he also studies fish ecology, especially as related to food webs. He has published more than one hundred refereed journal articles, books, and chapters, including three single-volume editions of Ecology and Classification of North American Freshwater Invertebrates (edited by J.H. Thorp and A.P. Covich) and the first volume (Ecology and General Biology) in the current fourth edition.

This is a very useful and readable book, not only for the zoology student but it’s subject matter is of great interest to the "armchair biologist".

Authoritative reference....nothing out there is better. Also, the quality of the paper is superb. You will love handling and reading this text if you’re into inverts.

this book is very useful and it has many details about of wide variety of different invertebrate group. dairy so why fridays content in a key at the end the chapters

Arrived within a week! I am very satisfied with this order.

As an instructor for Freshwater Ecology I purchased the e-textbook version of this textbook so that I

could use the taxonomic keys up on the smartboard and my class could all follow along as we practiced keying out some inverts. I started bookmarking the keys for each phylum and found out that the e-textbook stops at chapter 18, while the hard-copy text continues on to chapter 22. This edits out 200 pages of text, and a number of taxonomic keys for taxa such as : Ostracoda, Cladocera, Copepoda, and Decapoda. I was very disappointed and I assume there was some kind of error when this e-text was made since I can't see why it would intentionally be omitted by the publisher.

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