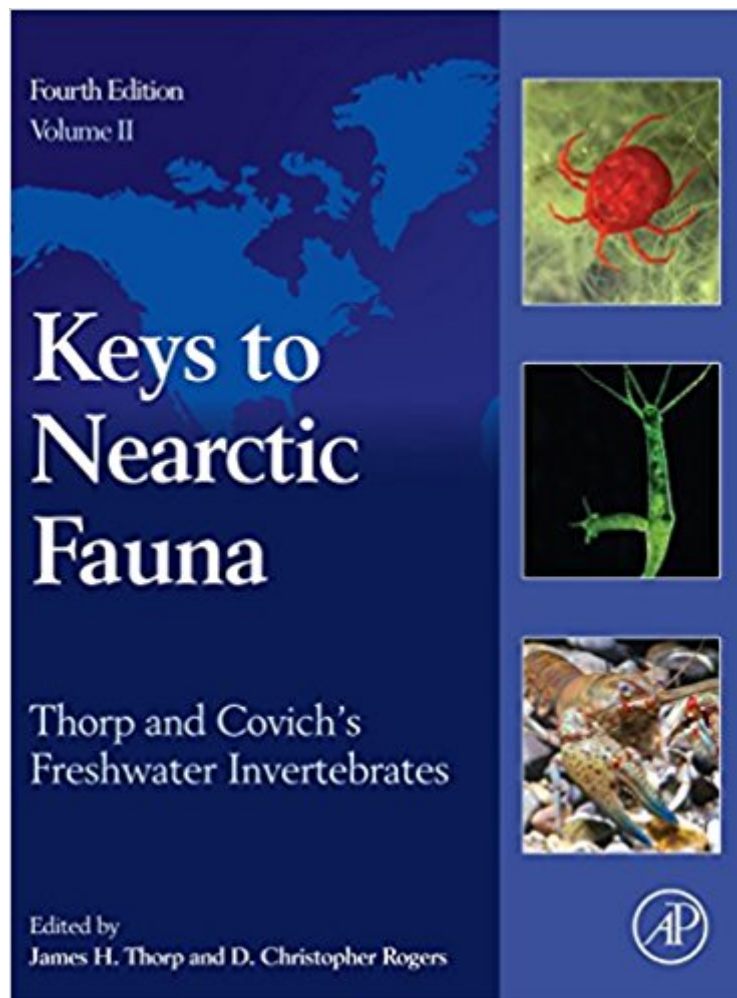




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Thorp And Covich's Freshwater Invertebrates, Fourth Edition: Keys To Nearctic Fauna



Synopsis

Thorp and Covich's *Freshwater Invertebrates: Keys to Nearctic Fauna*, Fourth Edition presents a comprehensive revision and expansion of this trusted professional reference manual and educational textbook—from a single North American tome into a developing multivolume series covering inland water invertebrates of the world. Readers familiar with the first three editions will welcome this new volume. The series, now entitled *Thorp and Covich's Freshwater Invertebrates*, (edited by J.H. Thorp), began with *Volume I: Ecology and General Biology*, (edited by J.H. Thorp and D.C. Rogers). It now continues in *Volume II* with taxonomic coverage of inland water invertebrates of the Nearctic zoogeographic region. As in previous editions, all volumes of the fourth edition are designed for multiple uses and levels of expertise by professionals in universities, government agencies, and private companies, as well as by undergraduate and graduate students. Features zoogeographic coverage for all of North America, south to the general area of the Tropic of Cancer, and Greenland and Bermuda. Provides keys to families of freshwater insects. Provides keys to all other inland water invertebrates at the taxonomic level appropriate for the current scientific knowledge. Includes multiple taxonomic keys in each chapter that progress from higher to lower taxonomic levels, thereby allowing users to work up to their level of need and expertise. Presents additional material in each chapter on group introduction, limitations to the keys, terminology and morphology, material preparation and preservation, and references.

Book Information

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Customer Reviews

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 Georgia. 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. Thorp'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.

Dr. D. Christopher Rogers is a research zoologist at the University of Kansas with the Kansas Biological Survey and is affiliated with the Biodiversity Institute. He received his Ph.D. degree from the University of New England in Armidale, NSW, Australia. Christopher specializes in freshwater crustaceans (particularly the Branchiopoda and the Decapoda) and the invertebrate fauna of seasonally astatic wetlands on a global scale. He has numerous peer reviewed publications in crustacean taxonomy and invertebrate ecology, as well as published popular and scientific field guides and identification manuals to freshwater invertebrates. Christopher is an Associate Editor for the Journal of Crustacean Biology and a founding member of the Southwest Association of Freshwater Invertebrate Taxonomists. He has been involved in aquatic invertebrate conservation efforts all over the world.

The editors have done a stand-up job with this new edition. Without getting into the details, which are extensively covered between the book covers, these new updates will be the standard freshwater reference for years to come. My only concern would be the expense for use in a classroom. These should be available as a reference, but would be costly as an textbook. And, I hope that doesn't scare off any future freshwater bug-ologists.

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