



# Remarkable Shrimps

## Adaptations and Natural History of the Carideans

By Raymond T. Bauer

In *Remarkable Shrimps*, Raymond T. Bauer explores the evolution, natural history, biological diversity, and commercial importance of caridean shrimps—a fascinating and colorful group of aquatic organisms inhabiting freshwater and marine environments from the tropics to the poles.

The biological diversity of carideans encompasses a remarkable array of adaptations in body form and function, coloration, breeding biology, and mating behavior. Carideans' important grooming and antifouling adaptations are examined in detail. Reproductive biology and sexual systems are reviewed, and Bauer provides evidence for sex pheromones in the attraction of males to females. Life history patterns, as well as caridean symbioses with other animals, are described and analyzed.

Profiling each of the nearly thirty families of caridean shrimps, Bauer writes in an informal style that is nevertheless rich with precise and useful references. More than one hundred figures and eleven plates with seventy color and half-tone photographs accompany the text.

### Volume 7 in the Animal Natural History Series

**Raymond T. Bauer** is Professor of Biology at the University of Louisiana at Lafayette and the coeditor of *Crustacean Sexual Biology*. He has done research on caridean shrimps from a variety of aquatic habitats and has published extensively on their biology.

*Remarkable Shrimps* builds on the historical biology of the last century and a half, and brings research and knowledge up-to-date, while pointing out the many areas where further research is needed.—**Brian Kensley**, Curator, Department of Invertebrate Zoology, National Museum of Natural History at the Smithsonian Institution

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