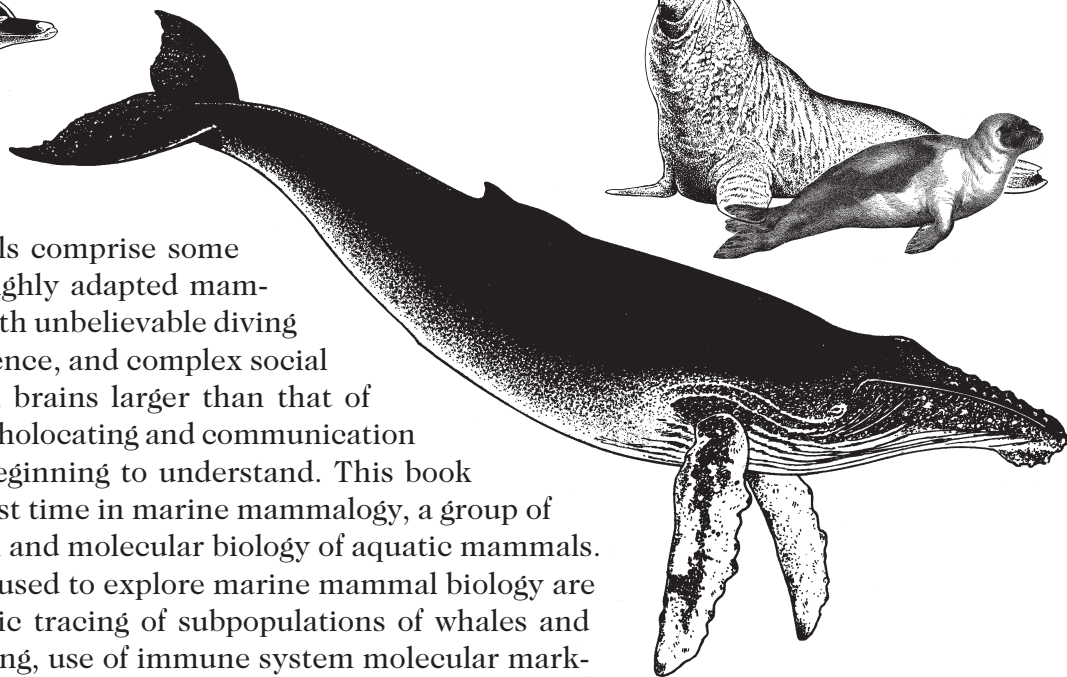
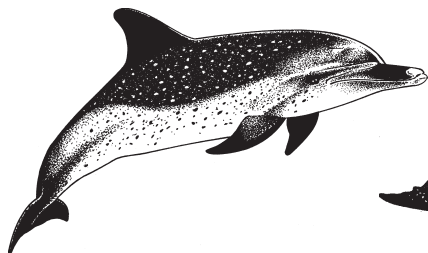


Molecular and Cell Biology of Marine Mammals

edited by Carl J. Pfeiffer



Marine mammals comprise some of the most highly adapted mammals, many with unbelievable diving capabilities, high intelligence, and complex social behavior, and some with brains larger than that of humans. Many possess echolocating and communication skills that we are only beginning to understand. This book brings together for the first time in marine mammalogy, a group of experts focused upon cell and molecular biology of aquatic mammals. Methods currently being used to explore marine mammal biology are discussed, such as genetic tracing of subpopulations of whales and seals by DNA fingerprinting, use of immune system molecular markers, cell culture and ELISA techniques, and electron microscopy.

The editor, Carl J. Pfeiffer, has been a professor in the Department of Biomedical Sciences and Pathobiology at Virginia Tech at the Virginia-Maryland Regional College of Veterinary Medicine since 1982. He was formerly a professor at the Memorial University of Newfoundland, and was an assistant professor at the University of Pennsylvania Medical School. He was also employed as a research scientist for NASA and was a visiting professor at Kyoto University Medical School and Kobe University International Center for Medical Research in Japan. Dr. Pfeiffer trained at Duke University (BA), Southern Illinois University (MS, PhD), and Harvard University (MS) in the fields of Zoology, Physiology, and Pharmacology/Toxicology. Author or coauthor of over 200 scientific papers and chapters, and author, editor, or coeditor of 15 books, his ongoing research since 1984 has emphasized marine mammal studies and comparative pathology and ultrastructure of terrestrial and aquatic animals.

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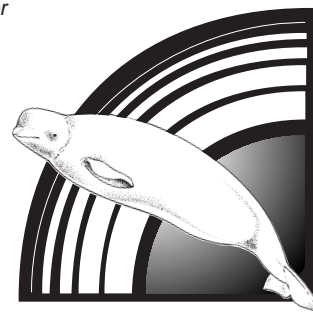
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