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New to the Sixth Edition

We have completely revised and updated our discussion of the fossil history of mammals, placed related topics in boxed insets in each chapter, and included two new chapters: "Mammalian Domestication" and "Mammalian Disease and Zoonoses." We have also added many new photographs and drawings to illustrate key points made in the text, while retaining the original anatomical drawings by senior author Terry Vaughan. These drawings, which we regard as essential to the ordinal chapters, should help students to understand the descriptions of structure and function. We have made liberal use of these drawings, most of which illustrate skulls, teeth, or feet. The profiles of skulls are usually of the right side, and most occlusal views of teeth show the right upper or the left lower row. When other teeth are shown, the legend indicates this. The chapter-opening illustrations were also provided by Terry Vaughan.

In an effort to provide additional pedagogical resources for students, we have placed key terms in bold

throughout the text. The advent of web-based literature searches makes finding these resources much easier than in previous editions. We have also revised the glossary to include new terms and to clarify the definitions of existing terms. We have included a new chapter on "Mammalian Disease and Zoonoses," which discusses the relationships among mammalian diseases and zoonoses, and the role of mammals in the spread of these diseases. We have also included a new chapter on "Mammalian Domestication," which discusses the history of domestication and the role of mammals in human civilization. We have also included a new chapter on "Parasitic (Nonzoonotic) Diseases," which discusses the role of mammals in the spread of these diseases. We have also included a new chapter on "Other Emerging Pathogens (Nonzoonotic)," which discusses the role of mammals in the spread of these diseases. We have also included a new chapter on "Marine Mammal Diseases," which discusses the role of mammals in the spread of these diseases. We have also included a new chapter on "Conservation Medicine," which discusses the role of mammals in the spread of these diseases.

In the interest of reflecting the extraordinary recent activity in mammalian biology, one of the most important changes in the sixth edition is the more thorough use of phylogenetically based mammalian relationships. The widespread application of phylogenetic systematics in recent years has led to a new general agreement about the higher-level evolutionary relationships among living