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NEW EDITION

In this second edition, we maintained the approach and content of the first, including emphasis on the why and how of microbiology as well as the what and relevance of microbiology studies to relate medical microbiology to everyday people and to provide an organizing framework for the varied facts. However, there are two major differences between the scientific progress that has taken place since the first edition. To begin with, the pace of progress, great advances have been made in the treatment of AIDS and in the under-

standing of the human immune system. Each chapter begins with a success story to help you focus on its overall aim.

Case Studies. Certain terms are highlighted in boldface type the first time they occur. We consider them important and suspect they might be new to you. They are defined in the context in which they occur, and those that might not be adequately defined in a dictionary are included in the Glossary at the back of the book.

Boxes. We've included three kinds of boxes—Case Studies, Sharper Focus, and Larger Field.

- **Case Studies** explore real clinical emergencies from Catherine Luginbuhl's medical practice. We hope these stories will help you remember the details of the next medical case more easily. These Case Studies occur throughout the text. Those at the beginning of each disease chapter play a critical role; they set the stage for much that follows in the chapter. You'll probably want to refer back to these from time to time as you progress through the material that follows.
- **Sharper Focus** boxes explore a chapter topic in more detail. Just as you can see greater level of detail by focusing a microscope, these boxes (which appear in every chapter) reveal more information about interesting chapter topics.
- **Larger Field** boxes connect text material to your world. Just as you can expand a microscope's field to see more background around an organism, these boxes expand a chapter topic to its larger context—environmental aspects, history, news events, etc. They emphasize the connections of microbiology