

CONTENTS

<i>List of Figures</i>	<i>vii</i>
<i>List of Tables</i>	<i>viii</i>
<i>Preface</i>	<i>ix</i>
<i>Acknowledgments</i>	<i>xvi</i>
1 What Limits Training-Induced Improvements in Athletic Performance?	1
2 Why Do Physiological and Chronological Time Differ?	23
3 Why Was Zeno Wrong?	45
4 What Explains the Mysterious Ubiquity of Biologic Variability?	59
5 What Caused the Disturbing Collapse of This Young Athlete?	86
6 Is There Biological Regulation of Physical Activity?	108
7 How Can a Baseball Player Hit a 95-mph Fastball?	128
8 What Is the “Purpose” of the Cardiovascular System?	148
9 What Causes Exercise-Induced Hypoxemia in Athletes? Insights from Saratoga	168

vi Contents

10	Is There a Biological Basis for Children's Reduced Aerobic Trainability?	184
11	How Can Music Enhance Physical Performance?	202
12	When Is Iron Supplementation Indicated for Athletes with Iron Deficiency?	221
13	Who (or What) Is Setting the Pace?	238
14	Courts-Métrages (Short Subjects)	258
	<i>Closing Comments</i>	281
	<i>Index</i>	284