## CONTENTS

ix	Preface
1	1 The Pre-Game Show
15	<b>2</b> It's Not Over Until the Trombone Player Goes Down Vectors and How to Think Like a Physicist
30	<b>3</b> All Hail Flutie Gravity and Projectiles
45	<b>4</b> Vive le Lance Simplifying the Complicated
67	<b>5</b> A Leap into the Unknown More Projectiles and Angular Momentum
90	<b>6</b> Amazing Spins in and around All Kinds of Water <i>Rotations in Water Sports</i>
119	<b>7</b> Soccer Kicks Gone Bananas Off-Center Kicking and the Magnus Force

Four Olympics and Four Straight Gold Medals

Centripetal Motion and Lift 145

It Takes More Than a Big Gut

Caloric Consumption and Linear Momentum 174

The Post-Game Show 196

Further Reading 207
Index 211