# Table of Contents

**PREFACE**

**PART I. PROBLEMS OF FOULING**

**Chapter 1**
The Effects of Fouling ................................................. 3  
**Chapter 2**
Ship Resistance ......................................................... 21

**PART II. BIOLOGY OF FOULING**

**Chapter 3**
The Fouling Community .................................................. 37  
**Chapter 4**
Temporal Sequences and Biotic Successions ............................ 42  
**Chapter 5**
The Seasonal Sequence ................................................... 48  
**Chapter 6**
Quantitative Aspects of Fouling ........................................ 77  
**Chapter 7**
Geographical Distribution ................................................. 91  
**Chapter 8**
Relations to Local Environments ...................................... 102  
**Chapter 9**
The Principal Fouling Organisms ....................................... 118  
**Chapter 10**
Species Recorded from Fouling ......................................... 165

**PART III. PREVENTION OF FOULING**

**Chapter 11**
The History of the Prevention of Fouling ............................. 211  
**Chapter 12**
The Invention of Protective Devices ................................... 224  
**Chapter 13**
Factors Influencing the Attachment and Adherence of Fouling Organisms ............................................. 230  
**Chapter 14**
The Prevention of Fouling with Toxics ................................ 241  
**Chapter 15**
The Physical Chemistry of Compounds of Copper and Mercury and Their Interactions with Sea Water ......................................................... 264  
**Chapter 16**
Mechanism of Release of Toxics from Paints ........................... 277
Chapter 17
The Dissolution of the Matrix and Its Ingredients .......................... 302

Chapter 18
Characteristics of Antifouling Coatings ........................................ 313

Chapter 19
The Design of Antifouling Paints .................................................. 323

Chapter 20
The Testing of Antifouling Paints .................................................. 331

Chapter 21
The Fouling of Metallic Surfaces .................................................... 349

Chapter 22
Interaction of Antifouling Paints and Steel ................................... 365

INDEX