



CONTENTS



| | |
|---|-----|
| <i>Acknowledgments</i> | ix |
| Introduction <i>Imperialism and Technology</i> | 1 |
| On Imperialism | 1 |
| On Technology | 3 |
| The Goal and Organization of This Book | 6 |
| Notes | 9 |
| Chapter 1 <i>The Discovery of the Oceans, to 1779</i> | 11 |
| Five Seafaring Traditions | 11 |
| The Portuguese and the Ocean | 20 |
| Navigation | 27 |
| The Spanish Voyages | 32 |
| Completing the Map of the Oceans | 41 |
| Conclusion | 50 |
| Notes | 51 |
| Chapter 2 <i>Eastern Ocean Empires, 1497–1700</i> | 59 |
| The Portuguese in the Indian Ocean | 59 |
| The Ottoman Challenge | 68 |
| The Limits of Portuguese Power | 74 |
| The Dutch and the English in the Indian Ocean | 79 |
| China, Japan, and the Europeans | 84 |
| Conclusion | 87 |
| Notes | 89 |
| Chapter 3 <i>Horses, Diseases, and the Conquest of the Americas, 1492–1849</i> | 95 |
| The First Encounter: The Caribbean | 96 |
| The Conquest of Mexico | 101 |
| Peru and Chile | 112 |
| Argentina and North America | 118 |
| Disease and Demography | 123 |
| Conclusion | 131 |
| Notes | 132 |

| | | |
|------------------|---|-----|
| Chapter 4 | <i>The Limits of the Old Imperialism: Africa and Asia to 1859</i> | 139 |
| | Sub-Saharan Africa to 1830 | 139 |
| | India to 1746 | 147 |
| | The Military Revolution | 151 |
| | Plassey and After | 154 |
| | Reaching the Limit: Afghanistan and the Punjab | 158 |
| | Reaching the Limit: Algeria, 1830–1850 | 163 |
| | Russia and the Caucasus | 167 |
| | Conclusion | 169 |
| | Notes | 170 |
| Chapter 5 | <i>Steamboat Imperialism, 1807–1898</i> | 177 |
| | Steamboats in North America | 179 |
| | Steamers in South Asia | 186 |
| | Routes to India | 188 |
| | The Euphrates Route | 191 |
| | The Red Sea Route | 194 |
| | Britain and China | 197 |
| | The <i>Nemesis</i> | 200 |
| | Steamboats on the Niger | 206 |
| | Steamboats and the Scramble for Africa | 212 |
| | Conclusion | 216 |
| | Notes | 217 |
| Chapter 6 | <i>Health, Medicine, and the New Imperialism, 1830–1914</i> | 226 |
| | Medicine and Africa in the Early Nineteenth Century | 226 |
| | The Discovery of Quinine Prophylaxis | 229 |
| | Public Health at Mid-Century | 234 |
| | From Empirical to Scientific Medicine | 237 |
| | Science and Tropical Diseases | 239 |
| | Health and Empire at the Turn of the Century | 243 |
| | Conclusion | 249 |
| | Notes | 251 |
| Chapter 7 | <i>Weapons and Colonial Wars, 1830–1914</i> | 257 |
| | The Gun Revolution | 257 |

| | |
|---|-----|
| Guns in Africa | 265 |
| The Scramble for Africa | 269 |
| North America | 276 |
| Argentina and Chile | 284 |
| Ethiopia | 289 |
| Conclusion | 291 |
| Notes | 292 |
| Chapter 8 <i>The Age of Air Control, 1911–1936</i> | 302 |
| The Beginnings of Aviation | 303 |
| Early Colonial Air Campaigns | 306 |
| Great Britain in Iraq | 311 |
| Air Control in Action | 314 |
| Spain in the Rif | 321 |
| Italy in Africa | 324 |
| Conclusion | 327 |
| Notes | 329 |
| Chapter 9 <i>The Decline of Air Control, 1946–2007</i> | 334 |
| France in Indochina | 335 |
| France in Algeria | 337 |
| The United States in Vietnam | 340 |
| The Soviet Union in Afghanistan | 349 |
| U.S. Military Aviation after Vietnam | 353 |
| The Gulf War | 357 |
| The Iraq War | 359 |
| Conclusion | 363 |
| Notes | 364 |
| Conclusion <i>Technology and Imperialism Redux</i> | 370 |
| Notes | 373 |
| <i>For Further Reading</i> | 375 |
| <i>Index</i> | 381 |