

CONTENTS

Series Foreword vii

- 1 Introduction 1
- 2 Twentieth-Century Navigating 19
- 3 The Origins of Satellite Navigation 37
- 4 The Birth of GPS 73
- 5 A Commercial Market Emerges: 1983–1995 105
- 6 Convergence: 1995–2015 123
- 7 European, Russian, and Other Satellite Systems 157
- 8 Conclusion 173

Further Reading 187

Timeline 191

Notes 193

Index 207