## Contents

## Acknowledgments ix

Introduction 1

- Landscapes, Ecosystems, and Prevailing Westerlies:
  The Great Plains 23
- 2 Storms Moving in a Ring of Fire: The Civil War 49
- 3 Changes in the Forecast: Data Gathering, Mapping, and Weather Predictions 83
- Dreams of a Boreal Empire, Nightmares of a Polar Vortex:
  The Arctic 107
- 5 Hot Winds on a Sun-Baked Desert: The Southwest 149 Conclusion 175

Notes 189

Bibliography 223

Index 241