

# Contents

## vii Preface to the Second Edition

## viii Acknowledgments

## ix Introduction

- Classification of Birds ix
- Equipment for Birding x
- Learning to Identify Birds x
- Psychological Effects and Mistakes x
- Variation in Appearance xi
- Geographic Variation and Subspecies xii
- Learning Songs and Calls xiii
- Finding Rare Birds xiv
- Ethics xiv
- Extinct Species xv

## xvi Bird Topography

- Parts of a Passerine xvi
- Parts of a Shorebird xx
- Parts of a Duck xxi
- Molt and Plumage xiii

## xxiv Key to the Species Accounts

## xxv Key to the Group Accounts

## xxv Key to the Range Maps

## 2 Ducks, Geese, and Swans

- Geese Head and Bill Shapes 11
- Identification of Swans 13
- Domestic Geese 16
- Domestic Ducks 16
- Exotic Waterfowl 17
- Hybrid Mallard Identification 17
- Downy Young 17
- Rare and Exotic Ducks 25
- Identification of Scaups 29
- Hybrid *Arthya* 29
- Identification of Eiders 29
- Diving Motions 33
- Goldeneye Hybrids 35

## 40 Upland Game Birds

## 56 Loons and Grebes

- Loon Habits 59
- Identification of Grebes 61

## 64 Albatrosses, Petrels, and Shearwaters

- Molt in Seabirds 78

## 83 Storm-Petrels

## 90 Pelicans, Boobies, and Frigatebirds

## 97 Cormorants

- Identification of Cormorants 101

## 102 Tropicbirds

## 104 Wading Birds

- Snowy Egret vs. Little Egret 110
- Snowy Egret vs. Little Blue Heron 110
- Courtship Colors 113
- Identification of Dark Ibises 116

## 120 Hawks and Vultures

- Harrier Flight Shapes 124
- Accipiter Identification 129
- Buteo Identification 131

## 144 Rails, Coots, Cranes, and Limpkin

- Identification of Coots 145
- Crane Behavior 145
- Habits of Rails 151

## 154 Shorebirds

- Identification of Yellowlegs 167
- Bill Length in Curlews 171
- Identification of Small Sandpipers 181
- Dowitcher Identification 190
- Aerial Displays of Snipes and Woodcocks 193
- Identifying Phalaropes 194

- 196 Gulls**  
 Identification of Gulls 200  
 Identification of Hybrid Gulls 222  
 Albinism in Gulls 223
- 224 Terns and Skimmer**
- 224 Skuas and Jaegers**  
 Bill Details 227  
 Jaeger Identification 236
- 242 Alcids**
- 254 Pigeons and Doves**  
 Bird Families 256
- 264 Cuckoos**
- 268 Owls**  
 Owling 269  
 Branching Owls 269
- 282 Nightjars**  
 Eyeshine 282
- 288 Swifts**
- 292 Hummingbirds**  
 Hummingbird Wing Shapes 293  
 Hummingbird Displays 293  
 Hybrid Hummingbirds 298
- 304 Trogons and Kingfishers**  
 Kingfisher Behavior 306
- 308 Woodpeckers**  
 Woodpecker Drumming 321
- 323 Falcons**
- 330 Parrots**
- 336 Tyrant Flycatchers and Becard**  
 Identification of *Empidonax* 341  
 Comparing *Empidonax* and Other Flycatchers 341
- 362 Shrikes**
- 364 Vireos**
- 373 Crows and Jays**
- 386 Larks**
- 388 Swallows**  
 Molting Swallows 388
- 396 Chickadees and Allies**  
 Chickadee and Titmouse Identification 397  
 Black-capped and Carolina Chickadee Identification 399
- 406 Nuthatches and Creeper**
- 410 Wrens**  
 Sedge Wren and Grass Sparrows 414
- 418 Gnatcatchers, Kinglets, and Others**  
 Identification of Gnatcatchers 419
- 430 Thrushes**  
 Identification of Bluebirds 433
- 444 Mockingbirds, Thrashers, Starlings, Accentors, Wagtails, and Pipits**
- 459 Waxwings, Silky-flycatchers, Olive Warbler, and Longspurs**  
 Identification of Snow and McKay's Bunting 465
- 466 Wood-Warblers**  
 Warbler Identification 468  
 Blue-winged x Golden-winged Warbler Hybrids 472  
 Hybrid Warblers 493  
 Taxonomic Outliers 500  
 Bill Shapes of Songbirds 503
- 504 Emberizine Sparrows**  
 Sparrow-like Birds 514  
 Identification of *Spizella* Sparrows 516
- 538 Cardinals**  
 Identification of Grosbeaks 545  
 Identification of *Passerina* Buntings 545
- 549 Orioles and Blackbirds**  
 Old World and New World Names 563  
 Plumage Variation in Orioles 563  
 Identification of Orioles 564
- 566 Finches and Allies**  
 Red Crossbill Types 575
- 585 Checklist**
- 591 Index**