

Table of contents

Preface vii

Contributors ix

Section I Introduction

1. Parasitism: Costs and Effects 3

Gary A. Wobeser

Section II Protozoa

2. *Haemoproteus* 13

Carter T. Atkinson

3. Avian Malaria 35

Carter T. Atkinson

4. Leucocytozoonosis 54

Donald J. Forrester and Ellis C. Greiner

5. *Isospora*, *Atoxoplasma*, and *Sarcocystis* 108

Ellis C. Greiner

6. Trichomonosis 120

Donald J. Forrester and Garry W. Foster

7. *Histomonas* 154

William R. Davidson

8. *Eimeria* 162

Michael J. Yabsley

9. Disseminated Visceral Coccidiosis in Cranes 181

Marilyn G. Spalding, James W. Carpenter, and Meliton N. Novilla

10. *Cryptosporidium* 195

David S. Lindsay and Byron L. Blagburn

11. *Toxoplasma* 204

J. P. Dubey

Section III Helminths

12. Trematodes 225

Jane E. Huffman

13. Schistosomes 246
Jane E. Huffman and Bernard Fried
14. Cestodes 261
J. Daniel McLaughlin
15. Acanthocephala 277
Dennis J. Richardson and Brent B. Nickol
16. Eustrongylidosis 289
Marilyn G. Spalding and Donald J. Forrester
17. *Trichostrongylus* 316
Daniel M. Tompkins
18. *Dispharynx*, *Echinuria*, and *Streptocara* 326
Ramon A. Carreno
19. Tracheal Worms 343
M. A. Fernando and John R. Barta
20. *Amidostomum* and *Epomidiostomum* 355
Alan M. Fedynich and Nancy J. Thomas
21. Tetrameridosis 376
John M. Kinsella and Donald J. Forrester
22. *Avioserpensosis* 384
John M. Kinsella
23. *Heterakis* and *Ascaridia* 388
Alan M. Fedynich
24. Ascaridoid Nematodes: *Contraecaecum*, *Porrocaecum*, and *Baylisascaris* 413
Hans-Peter Fagerholm and Robin M. Overstreet
25. *Diplotrriaena*, *Serratospiculum*, and *Serratospiculoides* 434
Mauritz C. Sterner III and Rebecca A. Cole
26. Filarioid Nematodes 439
Cheryl M. Bartlett
27. Capillarid Nematodes 463
Michael J. Yabsley
- Section IV Leeches**
28. Leech Parasites of Birds 501
Ronald W. Davies, Fredric R. Govedich, and William E. Moser

Section V Arthropods

29. Phthiraptera, the Chewing Lice 515

Dale H. Clayton, Richard J. Adams, and Sarah E. Bush

30. Acariasis 527

Danny B. Pence

31. Black Flies (Diptera: Simuliidae) 537

Douglas C. Currie and D. Bruce Hunter

32. Myiasis in Wild Birds 546

Susan E. Little

Index 557