

Contents

| | |
|--|------|
| List of contributors | vii |
| Preface | xi |
| Preface to the 9th edition | xiii |
| List of abbreviations | xv |
| PART I GENERAL PARASITOLOGY | 1 |
| 1 History of human parasitology F.E.G. Cox | 3 |
| 2 World-wide importance of parasites Gabriel A. Schmunis and Francisco J. Lopez-Antunano | 24 |
| 3 Epidemiology of parasitic infections Roy M. Anderson | 50 |
| 4 Immunology and immunopathology of human parasitic infections F.E.G. Cox and Derek Wakelin | 67 |
| 5 Control of parasites, parasitic infections, and parasitic diseases David H. Molyneux | 103 |
| 6 Diagnosis of parasitic infections Stephen H. Gillespie | 148 |
| PART II PROTOZOA | 157 |
| 7 Cellular organization of parasitic protozoa Heinz Mehlhorn | 159 |
| 8 Classification and introduction to the parasitic protozoa F.E.G. Cox | 186 |
| 9 Amebiasis: <i>Entamoeba histolytica</i> infections Adolfo Martinez-Palomo and Martha Espinosa-Cantellano | 200 |
| 10 Other intestinal amebae John P. Ackers | 218 |
| 11 Opportunistic amebae David T. John | 226 |
| 12 Giardiasis Lynne S. Garcia | 241 |
| 13 <i>Trichomonas</i> infections Donald E. Burgess | 255 |
| 14 <i>Dientamoeba fragilis</i> and other intestinal flagellates Jaroslav Kulda and Eva Nohynkova | 266 |
| 15 <i>Balantidium coli</i> Viqar Zaman and F.E.G. Cox | 275 |
| 16 Old World leishmaniasis Paul A. Bates and R.W. Ashford | 283 |
| 17 New World leishmaniasis Ralph Lainson and Jeffrey J. Shaw | 313 |
| 18 African trypanosomiasis Samuel J. Black and John Richard Seed | 350 |
| 19 New World trypanosomiasis Michael A. Miles | 376 |
| 20 Intestinal coccidia: cryptosporidiosis, isosporiasis, cyclosporiasis Vincent McDonald and M. Paul Kelly | 399 |
| 21 Toxoplasmosis J.P. Dubey | 422 |
| 22 <i>Sarcocystis</i> J.P. Dubey | 443 |
| 23 Babesiosis of humans Sam R. Telford III and Andrew Spielman | 451 |
| 24 Malaria Marcel Hommel and Herbert M. Gilles | 464 |
| 25 Microsporidiosis Alan Curry | 529 |
| 26 <i>Blastocystis hominis</i> Jeffrey J. Windsor | 556 |
| PART III HELMINTHS | 571 |
| 27 Nature and classification of parasitic helminths David I. Gibson | 573 |
| 28 Schistosomes: general Somei Kojima and Andrew S. MacDonald | 600 |
| 29 Schistosomes: African Somei Kojima and Andrew S. MacDonald | 610 |

| | | | |
|----|--|--|-----|
| 30 | Schistosomes: Asian | Somei Kojima | 626 |
| 31 | Lung and liver flukes | Melissa R. Haswell-Elkins | 640 |
| 32 | Intestinal tapeworms | Jorn Andreassen | 658 |
| 33 | Larval cestodes | Ana Flisser and Philip S. Craig | 677 |
| 34 | Gastrointestinal nematodes - <i>Ascaris</i> , hookworm, <i>Trichuris</i> , and <i>Enterobius</i> | Celia V. Holland | 713 |
| 35 | <i>Strongyloides</i> and <i>Capillaria</i> | Michael Cappello and Peter J. Hotez | 737 |
| 36 | <i>Toxocara</i> | Elena Pinelli, Laetitia M. Kortbeek, and Joke W.B. van der Giessen | 750 |
| 37 | <i>Trichinella</i> | Dickson D. Despommier | 757 |
| 38 | Lymphatic filariasis | Subash Babu and Thomas B. Nutman | 769 |
| 39 | Onchocerciasis | Janette E. Bradley, James A.G. Whitworth, and Maria-Gloria Basanez | 781 |
| 40 | <i>Angiostrongylus</i> (<i>Parastromgylus</i>) and less common nematodes | Kentaro Yoshimura | 802 |
| 41 | Dracunculiasis | Ralph Muller | 830 |
| | Index | | 835 |
| | Table of contents for all volumes in the series | | 883 |