

PARASITOLOGY

CAMBRIDGE UNIVERSITY PRESS

C. F. CLAY, MANAGER

LONDON: FETTER LANE, E.C. 4



H. K. LEWIS & CO., LTD., 136, GOWER STREET, LONDON, W.C. 1

WHELDON & WESLEY, LTD., 2-4, ARTHUR STREET, NEW OXFORD
STREET, LONDON, W.C. 2

CHICAGO: THE UNIVERSITY OF CHICAGO PRESS
(Agent for the United States and Canada)

BOMBAY, CALCUTTA, MADRAS: MACMILLAN & CO., LTD.

TOKYO: THE MARUZEN-KABUSHIKI-KAISHA

All rights reserved

PARASITOLOGY

EDITED BY

GEORGE H. F. NUTTALL, F.R.S.

QUICK PROFESSOR OF BIOLOGY AND DIRECTOR OF THE MOLTENO INSTITUTE
FOR RESEARCH IN PARASITOLOGY IN THE UNIVERSITY OF CAMBRIDGE

VOLUME XIV 1922

CAMBRIDGE

AT THE UNIVERSITY PRESS

1922

PRINTED IN GREAT BRITAIN

CONTENTS

No. 1 (APRIL)

	PAGE
BAYLIS, H. A. Observations on certain Cestodes of Rats, with an Account of a New Species of <i>Hymenolepis</i> . (With 4 Text-figures)	1
BAYLIS, H. A. Note on the Habitat and Structure of <i>Crassicauda</i> [Nematoda]. (With 3 Text-figures)	9
DUDGEON, G. C. Occurrence of <i>Heligmosomum brasiliense</i> Trav. in England	13
HOPWOOD, A. T. An interesting case of <i>Cysticercus fasciolaris</i> infesting the Brown Rat. (With Plate I)	14
GHOSH, EKENDRANATH. On a New Ciliate, <i>Balantidium blattarum</i> , sp. nov., Intestinal Parasite in the Common Cockroach (<i>Blatta americana</i>). (With 1 Text-figure)	15
CUNLIFFE, NORMAN. Some observations on the Biology and Structure of <i>Ornithodoros savignyi</i> Andouin. (With 3 Text-figures)	17
ALLEN, J. A. and WICKWARE, A. B. A Preliminary Note on Parasites infesting Domesticated Silver Black Foxes in Canada	27
BEZZI, Professor M. On the Dipterous Genera <i>Passeromyia</i> and <i>Ornithomusca</i> , with Notes and Bibliography on the Non-Pupiparous Myiodaria parasitic on Birds	29
PAVLOVSKY, E. N. Description of a Box for Collecting and Transporting Living Insects, etc. (With 6 Text-figures)	47
CALDWELL, FRED C. An Accidental Infection with <i>Uncinaria</i>	51
BULLAMORE, GEO. W. <i>Nosema apis</i> and <i>Acarapis (Tarsonemus) woodi</i> in relation to Isle of Wight Bee Disease	53
HILL, LAURENCE. Three New Species of <i>Trichodectes</i> from <i>Cephalophus monticola</i> and <i>Procarvia capensis</i> from South Africa. (With Plate II)	63
MORRIS, HUBERT M. On the Larva and Pupa of a Parasitic Phorid Fly— <i>Hypocera incrassata</i> Mg. (With Plate III and 4 Text-figures)	70
FERRIS, G. F. The Mallophagan Family <i>Trimenoponidae</i> . (With 8 Text-figures)	75
BOULENGER, C. L. On <i>Ascaris vitulorum</i> Goeze. (With 3 Text-figures)	87
NUTTALL, GEORGE H. F. Notes bearing on Van Beneden, Leuckart and Sonsino whose portraits appear in <i>Parasitology</i> , xiv, No. 1. (Portrait-plates XII–XIV)	93

No. 2 (JUNE)

	PAGE
NUTTALL, GEORGE H. F. The Molteno Institute for Research in Parasitology, University of Cambridge, with an Account of how it came to be founded. (With Plates IV-VI and 6 Text-figures)	97
YOKOGAWA, SADAMU. The Development of <i>Heligmosomum muris</i> Yokogawa, a Nematode from the Intestine of the Wild Rat. (With Plates VII-XII and 8 Text-figures)	127
HAVILAND, MAUD D. On the Larval Development of <i>Dacnusa areolaris</i> Nees (Braconidae), a Parasite of Phytomyzinae (Diptera), with a Note on certain Chalcid Parasites on Phytomyzids. (With 5 Text-figures)	167
NUTTALL, GEORGE H. F. Notes bearing on Dufour, von Siebold and Goodsir, whose portraits appear in <i>Parasitology</i> , xiv, No. 2. (Continuing the Series begun in Vol. xiii.) (Portrait-plates XV-XVII)	174
FERRIS, G. F. and COLE, F. R. A Contribution to the Knowledge of the <i>Hippoboscidae</i> (Diptera Pupipara). (With 20 Text-figures)	178
BOULENGER, C. L. The Structure and Systematic Position of <i>Strongylus polygyrus</i> . (With 4 Text-figures)	206
LEIGH-SHARPE, W. HAROLD. A Parasitic Copepod belonging to the Genus <i>Medesicaste</i> (Krøyer), and its Relation to the Tumours it produces on the Fish, <i>Trigla gurnardus</i> . (With 7 Text-figures)	214
KEILIN, D. Parasitism and Symbiosis. (A Review)	220

Nos. 3 AND 4 (DECEMBER)

KUDO, R. On the Morphology and Life-history of a Myxosporidian, <i>Leptotheca ohlmacheri</i> , parasitic in <i>Rana clamitans</i> and <i>R. pipiens</i> . (With Plates XIII-XX, containing Figs. 1-111)	221
CAWSTON, F. G. Some Notes on the Differentiation of closely-allied Schistosomes	245
FAUST, ERNEST CARROLL. Notes on Larval Flukes from China. (With Plates XXI and XXII)	248
FLATTLEY, F. W. Considerations on the Life-history of Tapeworms of the Genus <i>Moniezia</i>	268
BALFOUR, ANDREW. Observations on Wild Rats in England, with an account of their Ecto- and Endoparasites. (With Plates XXIII and XXIV, 1 Text-figure and 2 Charts)	282
VINCENT, MARY. On the Life-history of a New Gregarine: <i>Pyxinia anobii</i> n. sp. Intestinal Parasite of <i>Anobium paniceum</i> L. (Coleoptera). (With 5 Text-figures)	299

Contents

vii

	PAGE
RICHARDS, MAJOR W. G. Note on <i>Dracunculus medinensis</i> (Guinea-worm)	307
PAVLOVSKY, E. N. and ANITCHKOV, N. N. <i>Tetracotyle sogdiana</i> —a New Trematode Parasite of the Fish, <i>Schizothorax intermedius</i> , with a description of adhesive peritonitis produced by the parasite in its host. (With Plate XXV)	309
IWANOW, E. A Contribution to the Biology of <i>Trypanosoma equiperdum</i>	315
GRAY, R. A. HARPER. The occurrence of a Leech (<i>Trocheta subviridis</i>) in an Allotment	320
WARBURTON, CECIL. The Warble-Flies of Cattle. <i>Hypoderma bovis</i> and <i>H. lineatum</i> . (With 3 Text-figures)	322
DOBELL, CLIFFORD. The Discovery of the Coccidia	342
BROWNE, FRANK BALFOUR. On the Life-history of <i>Melittobia acasta</i> , Walker; a Chalcid Parasite of Bees and Wasps. (With Plate XXVI)	349
GHOSH, EKENDRANATH. On a New Ciliate, <i>Balantidium ovatum</i> , sp. nov., an Intestinal Parasite in the Common Cockroach (<i>Blatta americana</i>). (With 1 Text-figure)	371
KOSTYLEV, DR N. Sur les Acanthocéphales de l'Eider (<i>Somateria mollissima</i> L.). (With 5 Text-figures)	372
NICOLL, WILLIAM. Recent progress in our knowledge of Parasitic Worms and their relation to the public health	378
BAYLIS, H. A. Notes on the Collection and Preservation of Parasitic Worms	402
BULLOCH, WM, DOBELL, CLIFFORD, and NUTTALL, GEORGE H. F. Notes bearing on Spallanzani, Lewis and Cobbold, whose portraits appear in <i>Parasitology</i> , xiv, Nos. 3–4. (Continued from p. 177.) (Portrait-plates XVIII–XX)	409
INDEX OF AUTHORS	419
INDEX OF SUBJECTS	421