March, 1920

# PARASITOLOGY

#### EDITED BY

GEORGE H. F. NUTTALL, M.D., Ph.D., Sc.D., F.R.S. Quick Professor of Biology in the University of Cambridge



CAMBRIDGE UNIVERSITY PRESS C. F. CLAY, MANAGER LONDON: FETTER LANE, E.C. 4

ALSO H. K. LEWIS AND CO., LTD., 136, GOWER STREET, LONDON, W.C. 1 WILLIAM WESLEY AND SON, 28, ESSEX STREET, STRAND, LONDON, W.C. 2 CHICAGO: THE UNIVERSITY OF CHICAGO PRESS BOMBAY, CALCUTTA, MADRAS : MACMILLAN & CO., LTD. TOBONTO: J. M. DENT AND SONS, LTD. TOKYO: THE MABUZEN-KABUSHIKI-KAISHA

#### Fifteen Shillings net

[Issued 13 March, 1920]



#### TO CAMBRIDGE MICROSCOPISTS

Messrs W. WATSON & SONS, Ltd. beg to announce that

Messrs HYMANS & COX are their SOLE AGENTS in CAMBRIDGE for the sale of Microscopes, Objectives, and accessories, and hold a representative stock of instruments suitable for Pathology, Zoology, Botany, etc., at makers' lowest prices

WATSON MICROSCOPES & INSTRUMENTS are BRITISH MADE. They are known and used the world over, and are unsurpassed by the productions of any other maker, British or foreign. All local enquiries and orders should be addressed to HYMANS & COX, as below. CATALOGUES FREE.

A GOOD SELECTION of SECOND-HAND MICROSCOPES by the best known makers—Watson Swift, Baker, Zeiss, Leitz, etc., usually in stock. Good prices given or liberal exchange value allowed for old stands and lenses.

HAND MAGNIFIERS, DISSECTING INSTRUMENTS, STAINS & MOUNTING MEDIA, &c., &c., in stock.

HYMANS & COX, 7, St Andrew's Street, Cambridge



## PARASITOLOGY

### CONTENTS

#### No. 1 (JANUARY)

	PAGE
NUTTALL, GEORGE H. F. On Coloration in Ticks. II. (With Plates	
I and II)	1
NUTTALL, GEORGE H. F. Regeneration of the Mouthparts and Legs in Ticks. Argas persicus, Amblyomma hebraeum and Hyalomma	
aegyptium. (With 6 Text-figures)	7
BOULENGER, CHARLES L. Sclerostomes of the Donkey in Zanzibar	
and East Africa. (With 5 Text-figures)	<b>27</b>
MANSON-BAHR, PHILIP and FAIRLEY, N. HAMILTON. Observations	
on Bilharziasis amongst the Egyptian Expeditionary Force.	
(With Plates III—V and 3 Text-figures)	33
BENTHAM, THOMAS. Human Intestinal Protozoal and Helminthic	
Infections observed in Malta. A Report to the Medical	
Research Committee	72
KEILIN, D. On a New Saccharomycete Monosporella unicuspidata	• -
gen. n. nom., n.sp., Parasitic in the Body Cavity of a Dipterous	
Larva (Dasyhelea obscura Winnertz). (With 3 Text-figures)	83
	00
KEILIN, D. On the Occurrence of a Supplementary Chromatic Body	
in Maupasella nova Cépède (Ciliata astoma), an Intestinal	
Parasite of Earth-worms (Allolobophora caliginosa Savigny).	
(With Plate VI)	92

#### No. 2 (MARCH)

BOULENGER, CHARLES L. Intestinal Helminths in Indians in	
Mesopotamia	95
BOULENGER, CHARLES L. On some Nematode Parasites of the	
Zebra. (With 7 Text-figures)	98
LIM, R. K. S. A Parasitic Spiral Organism in the Stomach of the	
Cat. (With Plate VII)	108
TREADGOLD, C. H. On a Filaria, Loa papionis n. sp., Parasitic in	
Papio cynocephalus. (With Plates VIII and IX)	13
NUTTALL, GEORGE H. F. On Fahrenholz's Purported New Species,	
Sub-Species and Varieties of <i>Pediculus</i> . (With 2 Charts) . 1	36

#### Contents

vi

	PAGE
KEILIN, D. On Two New Gregarines, Allantocystis dasyhelei n.g.,	
n.sp., and Dendrorhynchus systeni n.g., n.sp., Parasitic in the	
Alimentary Canal of the Dipterous Larvae, Dasyhelea obscura	
Winn. and Systemus sp. (With Plate X and 2 Text-figures) .	154
NORDENSKIÖLD, ERIK. Spermatogenesis in Ixodes ricinus Linn.	
(With Plate XI)	159
BEDFORD, G. A. H. Mallophaga from South African Birds. De-	
scriptions of a New Genus (Neomenopon) and Two New Species	
(Machaerilaemus plocei, Neomenopon pteroclurus). (With Plates	
XII and XIII)	167
BUXTON, P. A. Body-lice under Summer Conditions in Mesopo-	
tamia	173

#### No. 3 (September)

-----

ROBINSON, L. E. Malformations in Ticks. (With 5 Text-figures) .	175
SWELLENGREBEL, N. H. and SWELLENGREBEL-DE GRAAF, J. M. H.	
A Malaria Survey in the Malay Archipelago	180
RENNIE, J. and SUTHERLAND, C. H. On the Life History of Bucentes	
(Siphona) geniculata (Diptera: Tachinidae), Parasite of Tipula	100
paludosa (Diptera) and other Species. (With Plate XIV)	199
FAUST, E. C. A Survey of Cawston's Species of South African	
Cercariae. (With 4 Text-figures)	212
DARLING, S. T. Observations on the Geographical and Ethnological	
Distribution of Hookworms	217
PEACOCK, A. D. The Anopheline Waters of Southern Flanders.	
Being a Report on the area occupied by the British Second	
Army in France. (With 1 Map and 1 Text-figure)	<b>234</b>
BAYLIS, H. A. On the Classification of the Ascaridae. I. The	
systematic value of certain characters of the alimentary canal.	
(With 1 Text-figure)	253
WARBURTON, C. Sarcoptic Scabies in Man and Animals. A critical	
survey of our present knowledge regarding the Acari concerned.	
(With Plate XV and 10 Text-figures)	265
MEGGITT, F. J. A contribution to our knowledge of the Tapeworms	
of Poultry. (With Plate XVI. and Plate XVII, Figs. 8–11, and	
1 Text-figure)	301
	301
MEGGITT, F. J. A New Species of Cestode (Oochoristica erinacei)	010
from the Hedgehog. (With Plate XVII, Figs. 12–13)	310

#### Contents

#### No. 4 (DECEMBER)

	PAGE
HOARE, C. A. On some New Haemogregarines from British East Africa. (With Plate XVIII)	315
DUNKERLY, J. S. Fish Myxosporidia from Plymouth. (With 6	
Text-figures)	328
BUXTON, P. A. The Capitulum of <i>Psoroptes</i> (Acarina). (With 2 Text-figures)	334
WOODLAND, W. N. F. On a Remarkable New Species of Poro-	001
cephalus (P. pomeroyi, sp. n.) from the Fore-gut of a Nigerian	
Cobra. (With 1 Text-figure)	337
BOULENGER, C. L. On some Filariid Parasites of Cattle and other	
Ruminants. (With 7 Text-figures)	341
WENYON, C. M. Observations on the Intestinal Protozoa of Three	
Egyptian Lizards, with a Note on a Cell-invading Fungus.	
(With Plates XIX and XX, and 2 Text-figures)	350
BASILE, C. Leishmania, Herpetomonas, and Crithidia in Fleas.	
(With Plates XXI and XXII)	366
BRUG, S. L. Endolimax kueneni n.sp., Parasitic in the Intestinal	
Tract of the Monkey Macacus cynomolgus. (With Plate XXIII)	378
KOBAYASHI, H. On some Digenetic Trematodes in Japan. (With	
Plates XXIV—XXVI)	380
BAYLIS, H. A. On the Classification of the Ascaridae. II. The	
Polydelphis Group; with some account of other Ascarids	
parasitic in Snakes. (With 7 Text-figures)	411
SNIJDERS, E. P. On the Cysts of a hitherto undescribed species of	
Eimeria in Human Stools. (With 1 Text-figure)	427
DOBELL, C. A Note on the New Species of Eimeria found in Man	
by Dr E. P. Snijders	433
INDEX OF AUTHORS	437
Index of Subjects	439