

PARASITOLOGY

EDITED BY

GEORGE H. F. NUTTALL, M.D., PH.D., Sc.D., LL.D., F.R.S.

Quick Professor of Biology and Director of the Moltano Institute for Research
in Parasitology in the University of Cambridge

ASSISTED BY

D. KEILIN, Sc.D.

University Lecturer in Parasitology, Cambridge



CAMBRIDGE UNIVERSITY PRESS

LONDON: FETTER LANE, E.C. 4

ALSO

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

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

CHICAGO: THE UNIVERSITY OF CHICAGO PRESS
(AGENT FOR THE UNITED STATES)

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

TOKYO: THE MARUZEN-KABUSHIKI-KAISHA

Fifteen Shillings net

[Issued 31 March, 1927]

PRINTED IN GREAT BRITAIN



The University of Chicago Press

METHODS IN PLANT HISTOLOGY (*Fourth Edition, Completely Revised*). By CHARLES JOSEPH CHAMBERLAIN. 349 pages, 8vo, cloth; 16s 6d net.

Professor Chamberlain has rewritten his well-known text so completely that he has given us practically a new book.

GENERAL CYTOLOGY. Edited by E. V. COWDRY. viii and 754 pages, royal 8vo, cloth; 37s 6d net.

The first single volume to state comprehensively the principles that govern cell structure and function.

THE ANATOMY OF WOODY PLANTS. By E. C. JEFFREY. x and 478 pages, 8vo, cloth; 24s net.

By the leading American Authority on the subject, it does for plant anatomy what so many texts have done for human anatomy.

OUTLINE OF GENETICS: with Special Reference to Plant Material. By MERLE C. COULTER. viii and 211 pages, 12mo, cloth; 7s 6d net.

THE STORY OF THE MAIZE PLANT. By PAUL WEATHERWAX. (*The University of Chicago Science Series.*) 300 pages, small 12mo, cloth; 8s 9d net.

The only complete, modern exposition of the morphology of the maize plant. A well-balanced summary of our present botanical knowledge of maize that contributes much practical information on the subject.

AGENTS FOR GREAT BRITAIN AND THE BRITISH EMPIRE (EXCEPT CANADA)

CAMBRIDGE UNIVERSITY PRESS, FETTER LANE, LONDON, E.C. 4

PARASITOLOGY

CAMBRIDGE UNIVERSITY PRESS

LONDON: FETTER LANE, E.C. 4



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

WHELDON & WESLEY, LTD., 2, 3 AND 4, ARTHUR ST., NEW OXFORD ST., LONDON, W.C. 2

CHICAGO: THE UNIVERSITY OF CHICAGO PRESS

(Agents for the United States)

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 MOLTEÑO INSTITUTE
FOR RESEARCH IN PARASITOLOGY IN THE UNIVERSITY OF CAMBRIDGE

ASSISTED BY

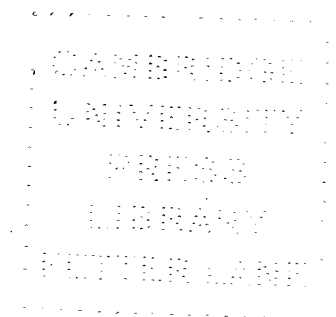
D. KEILIN, Sc.D.

VOLUME XIX 1927

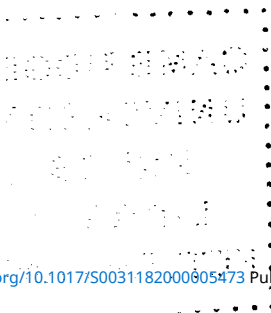
CAMBRIDGE

AT THE UNIVERSITY PRESS

1927



PRINTED IN GREAT BRITAIN



CONTENTS

NO. 1 (MARCH)

	PAGE
THOMPSON, W. R. and PARKER, H. L. The Problem of Host Relations with special reference to Entomophagous Parasites	1
BAYLIS, H. A. Some Parasitic Worms from <i>Arapaima gigas</i> (Teleostean Fish) with a description of <i>Philometra senticosa</i> n.sp. (Filarioidea). (With 12 Text-figures)	35
SELLARDS, A. W. and BAETJER, W. A. The Occurrence of Atypical Amoebiasis. (With Plate I)	48
TATE, P. On <i>Ectomyces calotermi</i> n.g., n.sp., an Ascomycete Parasitic on <i>Calotermes samoanus</i> Holmgren (Isoptera, Proteromitidae). (With Plate II and 1 Text-figure)	54
MILLER, H. M. JR. Furcocercous Larval Trematodes from San Juan Island, Washington. (With Plates III and IV and 3 Text-figures)	61
OLENEV, N. O. A New Species of the Genus <i>Dermacentor</i> (Ixodidae). (With Plate V and 1 Text-figure)	84
BROWN, F. J. On <i>Crepidostomum farionis</i> (O. F. Müll.) (= <i>Stephanophiala laureata</i> Zeder), a Distome Parasite of the Trout and Grayling. I. The Life History. (With Plates VI and VII)	86
NAVILLE, ANDRÉ. Le Cycle Chromosomique d' <i>Urospora lagidis</i> (de Saint Joseph). (Avec 10 Figures dans le texte)	100

NO. 2 (AUGUST)

RENNIE, JOHN. A Case of Intestinal Myiasis in a Breast-fed Infant	139
MEGGITT, F. J. On Cestodes collected in Burma. (With Plate VIII and 5 Text-figures)	141
HOARE, CECIL A. Studies on Coprozoic Ciliates. (With Plates IX-XIII and 3 Text-figures)	154
LUCAS, CATHERINE L. T. Two New Species of Amoeba found in Cockroaches: with Notes on the Cysts of <i>Nyctotherus ovalis</i> Leidy. (With Plates XIV and XV and 3 Text-figures)	223
AUGUSTINE, D. L. and URIBE, CESAR. <i>Alaria arisaemoides</i> , n.sp., a Trematode from <i>Vulpes fulva</i> . (With Plates XVI-XVIII and 4 Text-figures)	236

	PAGE
EDWARDS, E. E. On the Anatomy of the Trematode <i>Paryphostomum radiatum</i> Dietz, 1909. (With Plates XIX–XXI)	245
SMITH, KENNETH M. An Unusual Form of Parasitism of an Anthomyid Fly. (With Plate XXII and 1 Text-figure)	260
BEDFORD, G. A. H. Description of a New Genus and Species of Anoplura (<i>Lemurphthirus galagus</i>) from a Lemur. (With 2 Text-figures)	263

NO. 3 (SEPTEMBER)

WALTON, C. L. The Control of Tick Infestation and a Related Disease of Lambs in North Wales	265
BAER, JEAN G. Contributions to the Anatomy of some Reptilian Cestodes. (With 12 Text-figures)	274
CANAVAN, WILLIAM P. Note on the Actual Appearance of a Cestode Shell-Gland. (With 1 Text-figure)	284
JEPPI, MARGARET W. Note on a Haemogregarine in <i>Lepidosiren paradoxa</i> . (With 7 Text-figures)	285
DOBELL, CLIFFORD. Further Observations and Experiments on the Cultivation of <i>Entamoeba histolytica</i> from Cysts	288
MEGGITT, F. J. Report on a Collection of Cestoda, mainly from Egypt. Part I. Families Anoplocephalidae, Davaineidae. (With 6 Text-figures)	314
BAYON, H. P. Carcinoma in Apposition to <i>Cysticercus fasciolaris</i> in a Mouse Injected with Cancer Cells. (With 5 Text-figures)	328
ALEXEIEFF, Prof. A. Remarque à propos du Mémoire de A. W. Sellards et W. A. Baetjer (1927), The Occurrence of Atypical Amoebiasis. (<i>Parasitology</i> XIX. 48–53, Plate I)	333
SETNA, S. B. <i>Grayallia quadrispina</i> , a New Genus and Species of Monocystid Gregarine Parasite in an Oligochaete, <i>Pheretima heterochaeta</i> (Mich.). (With 3 Text-figures)	335
NICOLL, WILLIAM. A Reference List of the Trematode Parasites of Man and the Primates	338
BUXTON, PATRICK A. A Parasitic Fibroma on Equines in Samoa. (With Plate XXIII)	352
MCINTOSH, ALLEN. Notes on the Genus <i>Leucochloridium</i> Carus (Trematoda). (With 5 Text-figures)	353

No. 4 (DECEMBER)

	PAGE
KEILIN, D. On <i>Coelomomyces stegomyiae</i> and <i>Zografia notonectae</i> , Fungi Parasitic in Insects	365
KEILIN, D. Fauna of a Horse-Chestnut Tree (<i>Aesculus hippocastanum</i>). Dipterous Larvae and their Parasites	368
ROBERTSON, MURIEL. Notes on certain points in the Cytology of <i>Trypanosoma raiæ</i> and <i>Bodo caudatus</i> . (With Figs. 1-39 on Plates XXIV and XXV)	375
VINCENT, MARY. On <i>Legerella hydropori</i> n.sp., A Coccidian Parasite of the Malpighian Tubules of <i>Hydroporus palustris</i> L. (Coleoptera). (With Plate XXVI and 2 Text-figures)	394
BISHOP, ANN. The Effect of Increased and Decreased Oxygen Pressure upon the Intestinal Protozoa of <i>Macacus rhesus</i>	401
WARBURTON, CECIL. On Five New Species of Ticks (<i>Arachnida ixodoidea</i>), <i>Ornithodoros nattereri</i> , <i>Ixodes theodori</i> , <i>Haemaphysalis toxopei</i> , <i>Amblyomma robinsoni</i> and <i>A. dammermani</i> , with a Note on the Ornate Nymph of <i>A. latum</i> . (With Plate XXVII and 4 Text-figures)	405
JAMESON, A. PRINGLE. The Behaviour of <i>Balantidium coli</i> Malm. in Cultures. (With 15 Figures)	411
MEGGITT, F. J. Report on a Collection of Cestoda, mainly from Egypt. Part II. Cyclophyllidea: Family Hymenolepididae. (With Plates XXVIII-XXX, 5 Text-figures and an Appendix)	420
OLENEV, N. O. On the Geographical Distribution in the Palaearctic Region of the Ticks <i>Dermacentor reticulatus</i> Fabr. and <i>D. niveus</i> Neum. (Ixodoidea). (With a Map)	451
LEIGH-SHARPE, W. H. and OAKLEY, C. L. Lernentominae, a New Subfamily of Chondracanthidae (Crustacea: Copepoda), with a description of <i>Oralien triglae</i> (Blainville 1822). (With 7 Text-figures)	455
FISHER, R. A. Communication from the British Association Committee on Biological Measurements	468
Index of Authors	471
Index of Subjects	473