LIBRAR

PARASITOLOGY

EDITED BY

GEORGE H. F. NUTTALL, M.D., Ph.D., Sc.D., F.R.S.

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

ASSISTED BY

D. KEILIN, Sc.D.



CAMBRIDGE UNIVERSITY PRESS

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

ALSO

H. E. 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 AND CANADA)

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

TOKYO: THE MARUZEN-KABUSHIKI-KAISHA

Fifteen Shillings net

[Issued 23 November 1923]

The University of Chicago Press

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

The author is easily the leading American authority on the anatomy of plants and his book aims to describe, analyze, and discuss the anatomical structure of the most important families of plants. It does for the anatomy of plants what so many textbooks have done for the human anatomy. 306 figures and illustrations.

THE EVOLUTION OF SEX IN PLANTS. (The University of Chicago Science Series.) By JOHN M. COULTER. x and 140 pages, small 12mo, cloth; 6s 3d net.

In this work the prevalence of asexual reproduction among plants is emphasized, the author showing that in many of the lower forms sexual reproduction is unknown. The more detailed parts of the discussion are illustrated by cuts and drawings introduced into the text.

INDIVIDUALITY IN ORGANISMS. (The University of Chicago Science Series.)
By CHARLES MANNING CHILD. x and 212 pages, small 12mo, cloth; 7s 6d net.

An attempt to state, and to present evidence in support of, a conception of the nature of organic individuality which the author has developed as a result of fifteen years' investigation of the processes of reproduction and development of lower animals.

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

The only complete, modern exposition of the morphology of the maize plant. In this volume Mr Weatherwax is interested in giving a well-balanced, reliable summary of our present botanical knowledge of maize. He eliminates the influence of the economic point of view and describes maize as a plant with problems of its own to solve, a life of its own to live, and a part of its own to play in the drama of organic existence.

SOLD IN THE BRITISH EMPIRE (EXCEPT CANADA) BY

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

Cambridge University Press

AN INTRODUCTION TO THE STUDY OF CYTOLOGY.

By L. Doncaster, Sc.D., F.R.S., Derby Professor of Zoology in the University of Liverpool. Demy 8vo. With 24 plates and 31 text-figures. 24s net.

- GROWTH AND FORM. By D'ARCY WENTWORTH THOMSON, C.B., D.Litt., F.R.S., Professor of Natural History in the University of St Andrews; Scientific Member of the Fishery Board for Scotland. Demy 8vo. With 408 illustrations. 30s net.
- **ZOOLOGY.** An Elementary Textbook. By Sir A. E. Shipley, G.B.E., Sc.D., F.R.S., and E. W. MacBride, D.Sc., F.R.S. Fourth edition. Demy 8vo. With 360 illustrations. 22s 6d net.
- **THE FLEA.** By H. Russell, B.A., F.Z.S., M.B.O.U. Roy. 16mo. With 9 illustrations. Cloth, 2s 6d. Limp Lambskin, 3s. Cambridge Manuals of Science and Literature.
- THE CAUSES OF TUBERCULOSIS. Together with some Account of the Prevalence and Distribution of the Disease. By L. Cobbett, M.D., F.R.C.S. With 23 plates and 8 diagrams. 26s net.
- MENTS FOR THE CONSUMPTIVE. By Sir German Woodhead, K.B.E., V.D., M.D., LL.D., and P. C. Varrier-Jones, M.R.C.S., L.R.C.P., Tuberculosis Officer for the County of Cambridge. With a Preface by Sir Clifford Allbutt. Demy 8vo. Paper covers, 9s net; cloth, 10s 6d net.

https://doi.org/https://doi.or

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. I 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

ASSISTED BY

D. KEILIN, Sc.D.

VOLUME XV 1923

CAMBRIDGE
AT THE UNIVERSITY PRESS

PRINTED IN GREAT BRITAIN

CONTENTS

No. 1 (March)

	PAC
BAYLIS, H. A. Report on a Collection of Parasitic Nematodes, mainly from Egypt. Part. I. Ascaridae and Heterakidae. (With 4 Text-figures)	
BAYLIS, H. A. Report on a Collection of Parasitic Nematodes, mainly from Egypt. Part II. Oxyuridae. (With 3 Text-figures)]
Baylis, H. A. Report on a Collection of Parasitic Nematodes, mainly from Egypt. Part III. Camallanidae, etc. With a Note on <i>Probstmayria</i> and an Appendix on Acanthocephala. (With 8 Text-figures)	2
Woodland, W. N. F. A Justification of <i>Porocephalus pomeroyi</i> Woodland, 1921. (With 3 Text-figures)	ş
ARKWRIGHT, J. A., and the late A. BACOT. Observations on the Morphology of <i>Rickettsia prowazeki</i> occurring in Lice (<i>Pediculus humanus</i>) infected with the Virus of Typhus Fever. (With Plate I)	4
BOULENGER, C. L. A Nematode (Falcaustra chapini n. sp.) Parasitic in a North American Tortoise. (With 3 Text-figures)	4
Ferris, G. F. Observations on the Larvae of some Diptera Pupipara, with Description of a New Species of Hippoboscidae. (With 4 Text-figures)	
SONDHI, G. Tapeworm Parasites of Dogs in the Punjab. (With Plate II	
and 3 Text-figures)	Ę
DAUBNEY, R. Note on the Genus <i>Diaphanocephalus</i> (Nematoda: Strongylidae), Parasitic in Reptiles, with a Description of Three New Species.	
(With Plate III and 4 Text-figures)	6
Bezzi, Mario. Diptera, Bombyliidae and Myiodaria (Coenosiinae, Muscinae, Calliphorinae, Sarcophaginae, Dexiinae, Tachininae), from	
the Seychelles and neighbouring Islands. (With 9 Text-figures) .	7
Keilin, D. On a New Schizogregarine: Schizocystis legeri n. sp., an Intestinal Parasite of Dipterous Larvae (Systemus). (With Plate IV)	10
Keilin, D. Notes on the Lives of Giard, Bonnier and Delage, whose	
portraits appear in Parasitology, xv, No. 1. (Portrait-plates	
XXI-XXIII)	10

No. 2 (June)

BOULENGER, C. L. A Collection of Nematode Parasites from Zanzibar. (With 5 Text-figures)
Iwanow, E. Experiments on the Disinfection of Sperm in Mammals, especially in relation to Dourine in Horses
WOODLAND, W. N. F. On <i>Ilesha parthenogenetica</i> Southwell and Baini Prashad, 1918, from the Pyloric Caeca of a Fish, <i>Hilsa ilesha</i> (Ham. Buch.), and a Comparison with other Plerocercoid Larvae of Cestodes. (With Plate V, containing 18 figures)
BAYLIS, H. A. Note on <i>Procamallanus spiralis</i> Baylis, 1923 [Nematoda]. (With 1 Text-figure)
McGowan, J. P. Some points relating to the Morphology and Development of Sarcocystis tenella. (With 2 Text-figures)
NICOLL, WILLIAM. A Reference List of the Trematode Parasites of British Birds
Grúsz, Frederick. Note on the Secretions of the Digestive Glands in <i>Phthirus pubis</i> L. and their Biological Functions
ATKINS, W. R. G. The Hydrogen Ion Concentration of the Soil and Natural Waters in relation to Diseases other than Bacterial
Dunkerly, J. S. A New Structure in the Flagellate, <i>Pseudotrichonympha sphaerophora</i> sp. n. (With Plate VI)
Jepps, Margaret W. Observations on Human Intestinal Protozoa in Malaya. (With Plate VII and 14 Text-figures)
Potts, F. A. Note on Geoffrey Watkins Smith. (With Portrait-plate XXIV)
No. 3 (SEPTEMBER)
BAYLIS, H. A. On the Classification of the Ascaridae. III. A Revision of the Genus <i>Dujardinia</i> Gedoelst, with a Description of a New Genus of Anisakinae from a Crocodile. (With 8 Text-figures).
LEBOUR, MARIE V. Note on the Life History of Hemiurus communis Odhner. (With 2 Text-figures)
NICOLL, WILLIAM. A Reference List of the Trematode Parasites of British Mammals
Yakimoff, W. L. A propos des Ixodidés de Russie
Yakimoff, W. L. A propos du Rhipicephalus sanguineus et Rhipicephalus rossicus

Contents	vi
DUKE, H. LYNDHURST. Further Inquiries into the Zoological Status of the Polymorphic Mammalian Trypanosomes of Africa, and the Means by which they are Spread in Nature	PAG 25
EDKINS, J. S. Spirella regaudi in the Cat. (With Plates VIII—X including Figs. 1-23)	29
Dobell, Clifford. A Protozoological Bicentenary: Antony van Leeuwenhoek (1632–1723) and Louis Joblot (1645–1723)	30
DOBELL, CLIFFORD. C. G. Ehrenberg (1795-1876). A Biographical Note. (Portrait-Plate XXV)	32
CHANDLER, A. C. Speciation and Host Relationships of Parasites	32
GRAYBILL, H. W. A New Genus of Nematodes from the Domestic Rabbit. (With Plate XI)	34
No. 4 (November)	
JEPPS, MARGARET W. Protozoa of the Human Mouth in Malaya: Entamoeba gingivalis and Trichomonas sp. (With 5 Text-figures)	34
LANE, CLAYTON. Some Strongylata	34
HOARE, CECIL A. An Experimental Study of the Sheep-Trypanosome (T. melophagium Flu, 1908), and its Transmission by the Sheep-Ked (Melophagus ovinus L.). (With Plates XII—XVI and 5 Text-figures)	36
Index of Authors	30 42
Index of Subjects	42 42