

# THE CAMBRIDGE PUBLIC HEALTH SERIES

Under the Editorship of

G. S. GRAHAM-SMITH, M.D., AND J. E. PURVIS, M.A.

**Flies in Relation to Disease. Bloodsucking Flies.** By EDWARD HINDLE, B.A., Ph.D., Assistant to the Professor of Biology, Cambridge. Demy 8vo. With 88 text-figures. 12s. 6d. net.

The author's main object in writing this book has been to collocate the more important observations concerning the part taken by biting flies in the transmission of disease. In doing this it seemed advisable to include notes on the classification of the flies concerned and also descriptions of the infections transmitted, but no attempt has been made to give any account of the clinical symptoms of the various diseases, whether of man or animals. Special attention has been devoted to the modes of life of the more important insects mentioned, to the manner in which the infection is transmitted from one host to another, and also to any preventive measures directed either against the flies or the infections themselves.

**Flies in Relation to Disease. Non-Bloodsucking Flies.** By G. S. GRAHAM-SMITH, M.D., Lecturer in Hygiene in the University of Cambridge. Demy 8vo. Second edition, revised and enlarged. With 27 plates, 32 text-figures and 20 charts. 12s. 6d. net.

**Sewage Purification and Disposal.** By G. BERTRAM KERSHAW, M.Inst.C.E., Consulting Engineer, Engineer to the Royal Commission on Sewage Disposal. Demy 8vo. With 4 tables and 56 text-figures and plans. 12s. net.

**The Chemical Examination of Water, Sewage, Foods and other Substances.** By J. E. PURVIS, M.A., University Lecturer in Chemistry and Physics as applied to Hygiene and Public Health, Cambridge, and T. R. HODGSON, M.A., Public Analyst for the County Boroughs of Blackpool and Wallasey. Demy 8vo. 9s. net.

**The Bacteriological Examination of Food and Water.** By WILLIAM G. SAVAGE, B.Sc., M.D., D.P.H., County Medical Officer of Health, Somerset. Demy 8vo. With 16 illustrations. 7s. 6d. net.

**Infant Mortality.** By HUGH T. ASHBY, B.A., M.D., B.C. (Camb.), M.R.C.P. (London). Demy 8vo. With 9 illustrations. 10s. 6d. net.

**Isolation Hospitals.** By H. FRANKLIN PARSONS, M.D., D.P.H., formerly First Assistant Medical Officer of the Local Government Board. Demy 8vo. With 55 text-figures. 12s. 6d. net.

**Post-mortem Methods.** By J. MARTIN BEATTIE, M.A., M.D., Professor of Bacteriology, University of Liverpool. Demy 8vo. With 8 plates and 3 text-figures. 10s. 6d. net.

*A list of volumes in preparation will be sent on application*

CAMBRIDGE UNIVERSITY PRESS, FETTER LANE, LONDON  
C. F. CLAY, Manager

# TYPICAL FLIES

A PHOTOGRAPHIC ATLAS OF DIPTERA, INCLUDING APHANIPTERA

By

E. K. PEARCE

With 155 photographs. Royal 8vo. Paper boards. 5s. net

“The work is exactly what it professes to be, a collection of carefully-reproduced photographs of the flies which have their home in this country, and which, with few exceptions, are pests to human beings, animals and vegetable growth. It is a most illuminating collection, admirably arranged, and of interest alike to the naturalist and ‘the Man in the Street.’ The latter may be forgiven if he stands appalled at the variety of the flies depicted and the unpleasant and dangerous characteristics which distinguish the majority of them, and if he is not brought to realise the necessity for prompt and effectual methods of destruction he is indeed past praying for.... These are only a few of the species ‘fly’ culled at random from Miss Pearce’s exceedingly interesting book, but they are sufficient to make clear the fact that in the fly we have a subtle and real danger, and that it is the duty of everyone to combat it by the most effective means possible.”—*Sanitary Record*

## THE HOUSE-FLY

*Musca domestica* Linn.

ITS STRUCTURE, HABITS, DEVELOPMENT, RELATION TO  
DISEASE AND CONTROL

By

C. GORDON HEWITT, D.Sc., F.R.S.C.

Dominion Entomologist of Canada, formerly Lecturer in Economic Zoology in the  
University of Manchester

Cambridge Zoological Series. Demy 8vo. Pp. xvi + 382

With 104 illustrations and a map. Price 15s. net

The world-wide interest which has been created during the last few years in the relation which the house-fly bears to the hygienic state of the individual and of the community, as a product of insanitary conditions and as a potential and not infrequent disseminator of certain common and preventable infectious diseases, has rendered the presentation of our knowledge of this insect, its habits and relation to disease most desirable and, indeed, necessary as a means of appreciating its significance from the entomological and medical standpoint and as a basis for further investigation.

Although the present volume contains the whole of the original matter published in the *Quarterly Journal of Microscopical Science*, the extent of subsequent work by investigators in all the continents has necessitated the preparation of a completely new work.

## HOUSE-FLIES AND HOW THEY SPREAD DISEASE

By

C. GORDON HEWITT, D.Sc., F.R.S.C.

Cambridge Manuals Series. Cloth, 1s. net; leather, 2s. 6d. net

“Dr Hewitt’s little volume is especially comprehensive and well arranged. The book contains a bibliography and is sufficiently indexed and illustrated, making altogether, perhaps, as good a manual on the subject as could at the present state of our knowledge be produced in similar compass.”—*Times*

CAMBRIDGE UNIVERSITY PRESS, FETTER LANE, LONDON  
C. F. CLAY, Manager

# CAMBRIDGE UNIVERSITY PRESS

**Ticks. A monograph of the Ixodoidea.** By GEORGE H. F. NUTTALL, M.D., Ph.D., Sc.D., F.R.S., CECIL WARBURTON, M.A., F.Z.S., and W. F. COOPER, B.A., F.Z.S., F.L.S. Royal 8vo. Part I. Argasidae. 5s. net. Part II. Ixodidae. 12s. net. Part III. The Genus Haemaphysalis. 12s. net.  
Bibliography of the Ixodoidea. I. 6s. net.  
Bibliography of the Ixodoidea. II. 4s. 6d. net.

This book will deal with the Classification, Structure and Biology of Ticks, the study of the group having occupied the authors for several years. Practically all that has been published on the subject has received adequate consideration.

The book will be issued in parts, which will be complete in themselves. The complete bibliography to the work appears as a separate Fasciculus.

**Food Economy in War Time.** By T. B. WOOD, M.A., and F. G. HOPKINS, M.A., F.R.S. Demy 8vo. Paper covers. 6d. net.

"Professors Hopkins and Wood have published through the Cambridge University Press a valuable pamphlet on food economy in war time; it can be had for sixpence and may be used to save millions of pounds."—*British Medical Journal*

"In this book helpful advice is given to those prepared to make alterations in their consumption of food in order to conform with the national needs of these times. Tables are presented, which show the relative cost of equivalent nutritive values when purchased in the form of different foods."

—*Aberdeen Journal*

CAMBRIDGE UNIVERSITY PRESS, FETTER LANE, LONDON  
C. F. CLAY, Manager

---

## OXFORD UNIVERSITY PRESS

### *Quarterly Journal of Medicine*

Edited by

SIR WILLIAM OSLER, J. ROSE BRADFORD, R. HUTCHISON, A. E. GARROD,  
H. D. ROLLESTON AND W. HALE WHITE.

8s. 6d. net per number. Annual Subscription, 25s.  
Vols. I–VIII (Nos. 1–32). Each 35s. net.

**A Handbook of Anatomy for Art Students.** By ARTHUR THOMSON. Fourth Edition. 8vo. 16s. net.

In the illustration of this edition with photographs of models the intaglio process has been used in order of the half-tone, and numerous plates have been added.

**The Anatomy of the Human Eye; 67 stereoscopic photographs,** in a box, with letter-press and key-plates. By ARTHUR THOMSON. £2. 2s. net.

**The Cures of the Diseased in Remote Regions.** Preventing Mortality incident in Forraine attempts of the English Nation, London, 1598. The earliest English Treatise on Tropical Diseases, reproduced in Facsimile, with Introduction and Notes by CHARLES SINGER. Crown 8vo. 1s. 6d. net.

**Science and War.** An Address delivered at the University of Leeds Medical School. By SIR WILLIAM OSLER. 8vo. 1s. 6d. net.

**Essays on Evolution.** By E. B. POULTON. 8vo. 12s. net.

**English Medicine in Anglo-Saxon Times: the Fitz-Patrick Lectures, 1903.** By J. F. PAYNE. 8vo. 14s. net.

**The Study of Medicine in the British Isles: the Fitz-Patrick Lectures, 1905–6.** By NORMAN MOORE. 8vo, with 13 Collotype plates. 10s. 6d. net.

**Plague and Pestilence in Literature and Art.** By RAYMOND CRAWFURD. 8vo. 12s. 6d. net.

*Complete Catalogue on application.*

London: HUMPHREY MILFORD,  
Oxford University Press, Amen Corner, E.C.

# CONTENTS

(All rights reserved)

	PAGE
JONA, J. L. A Contribution to the Experimental Study of Fever. (With nine Charts and one Text-figure) . . .	169
GRIFFITH, F. On the Pathology of Bovine Actinomycosis . . .	195
EWART, R. J. The Influence of the Age of the Parent at the Birth of Offspring on the Age at which they are attacked by some of the Zymotic Diseases, with special reference to the Epidemiology of Scarlet Fever. (With two Charts) . . .	208
EASTWOOD, A. and GRIFFITH, F. The Characteristics of Tubercle Bacilli in Human Bone and Joint Tuberculosis . . .	257
EASTWOOD, A. and GRIFFITH, F. The types of Tubercle Bacilli occurring in Tuberculosis of the Human Genito-urinary Tract . . . . .	310

---

*The Journal of Hygiene* is issued as material accumulates. A volume containing about 500 pages, with plates and figures, is issued annually.

Volumes I—III (1901–3) complete. In Four Parts, paper covers, 15s. net per volume. Bound in buckram, 18s. 6d. net per volume.

Volumes IV—XIV (1904–14) complete. In Parts, paper covers, 21s. net per volume. Bound in buckram, 25s. net per volume.

Papers for publication may be sent to Prof. GEO. H. F. NUTTALL, F.R.S., Longfield, Madingley Road, Cambridge, or to the Associate Editors. Other communications should be addressed to the University Press, Cambridge.

Papers forwarded to the Editors for publication are understood to be offered to *The Journal of Hygiene* alone, unless the contrary is stated.

Contributors receive seventy-five copies of their papers free. Additional copies may be had at cost price: these should be ordered when the final proof is returned.

The subscription price is £1. 1s. per volume (post-free), payable in advance; single numbers 7s. net. Subscriptions may be sent to any Bookseller, or to MR C. F. CLAY, MANAGER, Cambridge University Press, Fetter Lane, London, E.C.

The Cambridge University Press has appointed the University of Chicago Press agents for the sale of *The Journal of Hygiene* in the United States of America and has authorised them to charge the following prices: Subscription \$5.25 per volume; single numbers, \$1.75 each.

Plague Numbers, Vol. VI. no. 4 (not sold separately), Vol. VII. nos. 3 and 6, and Vol. VIII. no. 2, Vol. X. no. 3, Price 6s. net each. Bound volumes containing all five numbers, with Index, are also issued, price 20s. net.

A series of Plague Supplements has been issued; the first four of these contain Reports VI—IX on Plague Investigations in India. They are, in pagination, completely independent of the Journal although subscribers to the latter receive copies without extra cost. Price of Plague Supplements, i. and ii. 7s. net each; iii. 10s. net; iv. 7s. net. Plague Supplements i, ii, iii can also be supplied bound in buckram, price 20s. net. Further reports are in preparation.