

# THE JOURNAL OF HYGIENE

EDITED BY

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

LECTURER IN BACTERIOLOGY AND PREVENTIVE MEDICINE  
IN THE UNIVERSITY OF CAMBRIDGE  
LATE ASSOCIATE IN HYGIENE IN THE JOHNS HOPKINS UNIVERSITY, BALTIMORE

IN CONJUNCTION WITH

JOHN S. HALDANE,  
M.D., F.R.S.

LECTURER IN PHYSIOLOGY IN THE  
UNIVERSITY OF OXFORD

ARTHUR NEWSHOLME,  
M.D., F.R.C.P.

MEDICAL OFFICER OF HEALTH  
OF BRIGHTON

## Volume IV. 1904



CAMBRIDGE  
AT THE UNIVERSITY PRESS

LONDON: C. J. CLAY AND SONS, AVE MARIA LANE  
AND H. K. LEWIS, GOWER STREET

NEW YORK: THE MACMILLAN COMPANY

LEIPSIK: BROCKHAUS

BOMBAY AND CALCUTTA: MACMILLAN & CO., LTD.

[All Rights reserved]

**Cambridge :**  
PRINTED BY J. AND C. F. CLAY,  
AT THE UNIVERSITY PRESS.

.....  
100198BAO  
71801VIMU  
2222R  
YRARRLI  
WAL RITTON  
.....

# CONTENTS.

## No. 1 (January).

	PAGE
BULLOCH, W. and MACLEOD, J. J. R. The Chemical Constitution of the Tubercle Bacillus . . . . .	1
EDINGTON, A. Further Remarks on the Production of a Malarial form of South-African Horse-Sickness. (Plate I and Nine Temperature Charts) . . . . .	11
BASHFORD, E. F. Some Fundamental Experiments on Immunity Illustrated. (Plates II—VIII) . . . . .	31
BOYCOTT, A. E. and HALDANE, J. S. Ankylostomiasis. No. II. (Plate IX) . . . . .	73
DURHAM, H. E. Notes on Beri-beri in the Malay Peninsula and on Christmas Island (Indian Ocean). (Plate X) . . . . .	112
PUBLICATIONS RECEIVED . . . . .	156

---

## No. 2 (April).

DALTON, F. J. A. and EYRE, J. W. H. On the Resistance of the <i>Micrococcus melitensis</i> to moist Heat. Suggested "Standard" Methods in the Determination of Thermal Death Points. (Two Figures) . . . . .	157
HOUSTON, A. C. The Bacteriological Examination of Oysters and Estuarial Waters . . . . .	173
NUTTALL, G. H. F. and INCHLEY, O. An improved Method of measuring the amount of Precipitum in connection with Tests with Precipitating Antisera. (Two Figures) . . . . .	201
STEVENSON, T. H. C. A Method of Estimating Future Populations. (One Chart) . . . . .	207

	PAGE
BOWHILL, T. and LE DOUX, C. A. A Contribution to the Study of Piroplasmosis canis—Malignant Jaundice of the Dog (Hutcheon). (Plate XI) . . . . .	217
NUTTALL, G. H. F. Canine Piroplasmosis. I. (Plates XII—XIII, and Seven Charts) . . . . .	219
GRAHAM-SMITH, G. S. A Study of the Virulence of the Diphtheria Bacilli isolated from 113 Persons, and of 11 Species of Diphtheria-like Organisms, together with the Measures taken to check an Outbreak of Diphtheria at Cambridge, 1903. (Plates XIV—XVII) . . . . .	258

---

### No. 3 (July).

MCCLEARY, G. F. The Infants' Milk Depot: its History and Function. (Plates XVIII—XXIV and One Chart) . . . . .	329
GLEGG, R. A. Hay Fever; Recent Investigations on its Cause, Prevention, and Treatment . . . . .	369
SMITH, J. L. An Investigation into the Conditions affecting the Occurrence of Typhoid Fever in Belfast. . . . .	407
LEISHMAN, MAJOR W. B. A Method of producing Chromatin Staining in Sections . . . . .	434

---

### No. 4 (October).

BOYCOTT, A. E. Further observations on the Diagnosis of Ankylostoma Infection with special reference to the Examination of the Blood. (One Figure) . . . . .	437
TODD, CHARLES. On a Dysentery Toxin and Antitoxin . . . . .	480
CASTELLANI, ALDO. Some Researches on the Etiology of Dysentery in Ceylon. (One Figure) . . . . .	495
EKELÖF, ERIK. Medical aspects of the Swedish Antarctic Expedition, October 1901—January 1904. (Five Figures) . . . . .	511
PUBLICATIONS RECEIVED . . . . .	541
REPRINTS . . . . .	542
REPORTS . . . . .	543
JOURNALS . . . . .	543
INDEX OF AUTHORS . . . . .	544
INDEX OF SUBJECTS . . . . .	546