

# THE JOURNAL OF HYGIENE

EDITED BY

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

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 III. 1903



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

LEIPZIG: BROCKHAUS

BOMBAY AND CALCUTTA: MACMILLAN & CO., LTD.

[All Rights reserved]

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

# CONTENTS.

## No. 1 (January).

	PAGE
JORDAN, EDWIN OAKES. The Kinds of Bacteria found in River Water	1
LONGCOPE, WARFIELD T. Study of the Bacteriolytic Serum-Complements in Disease: a Contribution to our knowledge of Terminal and other Infections . . . . .	28
WALKER, E. W. AINLEY. On some Factors in Bacteriolytic Action . . . . .	52
DELÉPINE, S. The bearing of Outbreaks of Food Poisoning upon the Etiology of Epidemic Diarrhoea. (Six Diagrams) . . . . .	68
BOYCOTT, A. E. and HALDANE, J. S. An Outbreak of Ankylostomiasis in England. No. I. (Plates I—V and One Figure) . . . . .	95

---

## No. 2 (April).

EDINGTON, ALEXANDER. Note on the Co-relation of several Diseases occurring among Animals in South Africa . . . . .	137
HORTON, ELMER G. The Colon Bacillus in Ground Waters . . . . .	155
SHAW, W. V. Some experiments on the Intravascular use of Antiseptics . . . . .	159
STUDIES IN RELATION TO MALARIA.	
II. ( <i>Concl.</i> ) NUTTALL, GEORGE H. F. and SHIPLEY, ARTHUR E. The Structure and Biology of Anopheles (Plates VI—IX) . . . . .	166
GRAHAM-SMITH, G. S. The Distribution of the Diphtheria Bacillus and the Bacillus of Hofmann in the Throats of "Contacts" and Normal Persons. (Plate X) . . . . .	216
GRAHAM-SMITH, G. S. and SANGER, F. The Biological or Precipitin Test for Blood considered mainly from its medico-legal aspect. (Plate XI) . . . . .	258
IN MEMORIAM: WALTER REED. (With Portrait—see Frontispiece) . . . . .	292

---

## No. 3 (July).

	PAGE
NEWSHOLME, A. and STEVENSON, T. H. C. The Graphic method of constructing a Life Table illustrated by the Brighton Life Table, 1891—1900. (Plates XII—XV, and Four Figures) . . . . .	297
RICHARDS, H. M. The Factors which determine the local incidence of fatal Infantile Diarrhoea. (Two Charts) . . . . .	325
HAYWARD, T. E. A new Life-Table for England and Wales . . . . .	347
GRAHAM-SMITH, G. S. The Biological or Precipitin Test for Blood, considered mainly from its medico-legal aspect. II. . . . .	354
FREMLIN, H. S. On the Cultivation of the Nitroso-Bacterium . . . . .	364
DURHAM, H. E. A Pipette for diluting Serum, etc. (One Figure). . . . .	380
HALDANE, J. S. The Relation of Sulphur in Lighting-Gas to Air Vitiation . . . . .	382
SAVAGE, W. G. The Pathogenicity of <i>B. coli</i> in Relation to the Bacteriological Examination of Water . . . . .	388
BOOKS RECEIVED . . . . .	400

## No. 4 (October).

HILL, L. and MACLEOD, J. J. R. Caisson Illness and Diver's Palsy. An Experimental Study . . . . .	401
NEWSHOLME, A. Public Health Authorities in Relation to the struggle against Tuberculosis in England. (Two Figures) . . . . .	446
BARCLAY, W. J. Birth-Rate and Death-Rate in New Zealand. (Two Diagrams) . . . . .	468
BUTTERFIELD, W. J. A. Chemical Analyses of the Air in the House of Commons. (Three Figures) . . . . .	486
GRAHAM-SMITH, G. S. The Microorganisms in the Air of the House of Commons. (One Figure) . . . . .	498
CROPPER, J. Note on the occurrence of Malarial Fever in Places usually free from Anopheles . . . . .	515
IN MEMORIAM: EDMOND NOCARD. (With Portrait—see Frontispiece) . . . . .	517
BOOKS RECEIVED . . . . .	523
INDEX OF AUTHORS . . . . .	524
INDEX OF SUBJECTS . . . . .	526