THE JOURNAL OF HYGIENE

CAMBRIDGE UNIVERSITY PRESS C. F. CLAY, Manager

LONDON
FETTER LANE, E.C. 4



EDINBURGH
100 PRINCES STREET

LONDON: H. K. LEWIS AND CO., LTD., 136 Gower Street, W.C. 1
LONDON: WILLIAM WESLEY AND SON, 28 Essex Street, Strand, W.C. 2
CHICAGO: THE UNIVERSITY OF CHICAGO PRESS
BOMBAY, CALCUTTA, MADRAS: MACMILLAN AND CO., LTD.
TORONTO: J. M. DENT AND SONS, LTD.
TOKYO: THE MARUZEN-KABUSHIKI-KAISHA

All rights reserved

JOURNAL OF HYGIENE

EDITED BY

GEORGE H. F. NUTTALL, M.D., Ph.D., Sc.D., F.R.S. QUICK PROFESSOR OF BIOLOGY IN THE UNIVERSITY OF CAMBRIDGE

IN CONJUNCTION WITH

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

LATE READER IN PHYSIOLOGY IN THE UNIVERSITY OF OXFORD

CHARLES J. MARTIN, M.B., D.Sc., F.R.S.

DIRECTOR OF THE LISTER INSTITUTE, LONDON

J. C. G. LEDINGHAM, M.B., D.Sc. BACTERIOLOGIST-IN-CHIEF, LISTER INSTITUTE, LONDON G. S. GRAHAM-SMITH, M.D.

UNIVERSITY LECTURER IN HYGIENE, CAMBRIDGE
M. GREENWOOD, JUNR., M.R.C.S.
STATISTICIAN, LISTER INSTITUTE, LONDON

VOLUME XVI. 1917-18

CAMBRIDGE
AT THE UNIVERSITY PRESS
1918

CONTENTS

No. 1 (July, 1917).

	PAGE
LIEN-TEH, Wu and EBERSON, FREDERICK. Transmission of Pulmonary and Septicaemic Plague among Marmots	. 1
EWART, R. J. The Influence of the Age of the Parent at Birth of Child on Eye-Colour, Stature and Intelligence	12
GREENWOOD, M. and YULE, G. UDNY. On the Statistical Interpretation of some Bacteriological Methods employed in Water Analysis. (With three Charts)	36
PORTER, A. E. The Bacteriolytic Action of Gland Extracts on Tubercle Bacilli	55
PORTER, A. E. The Sensitiveness of Tubercle and other Acid-Fast Bacilli to Acids	66
NEWSHOLME, ARTHUR. On Child Mortality at the Ages 0-5 Years, in England and Wales	69
SLATOR, ARTHUR. A Note on the Lag-phase in the Growth of Microorganisms. (With one Chart)	100
No. 2 (Остовек, 1917).	
FOREMAN, F. W. and GRAHAM-SMITH, G. S. Investigations on the Prevention of Nuisances arising from Flies and Putrefaction. (With Plates I-V, four Text-figures and three Charts)	109

No. 3 (DECEMBER, 1917).

	PAGE
SAVAGE, WILLIAM G. and Wood, D. R. The Vitality and Viability of Streptococci in Water. (With four Text-figures)	227
DUDGEON, LEONARD S. Certain Observations on the Action of Bile and Bile Salts with and without the Addition of the Salts of Calcium on Animal Red Blood Corpuscles	240
CANTI, R. G. A Comparison of Meningococci found in the Cerebro-Spinal Fluid and Naso-Pharynx in twenty-five cases	249
MARTIN, C. J. and WILLIAMS, F. E. Types of Dysentery Bacilli isolated at No. 3 Australian General Hospital, Cairo, March—August, 1916, with Observations on the Variability of the Mannite Fermenting Group	257
NICOLL, WILLIAM. The Conditions of Life in Tropical Australia	269
STEWART, MATTREW J. A Study of the Coliform Organisms Infecting the Wounds of War	291
No. 4 (JANUARY, 1918).	
CLELAND, J. BURTON and BRADLEY, BURTON, assisted in the Inoculation Experiments by McDonald, W. Dengue Fever in Australia. Its History and Clinical Course, its Experimental Transmission by Stegomyia fasciata, and the Results of Inoculation and other	การ
Experiments. (With IX Charts)	317