# The Quarterly Journal of Medicine

Edited by

T. R. ELLIOTT, F. R. FRASER, A. G. GIBSON, R. HUTCHISON, H. D. ROLLESTON with the help of

J. HILL ABRAM, E. FARQUHAR BUZZARD, JOHN COWAN, T. WARDROP GRIPFITH, G. LOVELL GULLAND, Arthur J. Hall, Gordon Holmes, Arthur F. Hurst, H. Maclean, George R. Murray, J. A. Nixon, R. A. Peters, R. W. Phillip, E. P. Poulton, E. I. Spriggs

#### CONTENTS: JULY 1930

Acidosis and Debility. A Contribution to the Study of the State of the 'Soil' disposing to Disease. By A. ARNOLD OSMAN and HAROLD G. CLOSE.—Carcinoma of the Lung causing Intestinal Obstruction by Secondary Deposits. By W. G. BARNARD and T. R. ELLIOTT. With Plates 17–20.—Studies in Sprue with Special Reference to Treatment. By P. MANSON-BAHR and H. WILLOUGHBY. With Plates 21–23.—The Measurement of Skin Temperatures. By F. C. SMITH and S. L. SIMPSON.—The Action of Histamine on the Chloride Content of the Stomach. By R. J. DUTHIE.—The Viscosity of the Blood in High Blood-pressure. By I. HARRIS and G. MCLOUGHLIN.—Blood Cholesterol Studies in Biliary and Lepatic Disease. By J. A. GARDNER and H. GAINSBOROUGH.

SINGLE NUMBERS 10s. 6d. NET EACH VOLUMES 45s. NET SUBSCRIPTION 35s. PER ANNUM

Humphrey Milford, Oxford University Press, London, E.C. 4

Subscription in India and abroad Rupees 16 per annum. Post free. Payable in advance

### THE INDIAN

# JOURNAL OF MEDICAL RESEARCH

Edited by THE DIRECTOR-GENERAL, INDIAN MEDICAL SERVICE, THE PUBLIC HEALTH COM-MISSIONER WITH THE GOVERNMENT OF INDIA, and THE DIRECTOR, CENTRAL RESEARCH INSTITUTE, in collaboration with LEADING AUTHORITIES ON TROPICAL MEDICINE The Indian Journal of Medical Research is published quarterly. Each number contains about 200 pages and is illustrated with Plates in Colour and Half-tone and with Diagrams and Charts, and is the only medium publishing the results of the best medical research work being carried on by leading scientific medical men in India and the East.

THACKER, SPINK & CO. (P.O. BOX 54) CALCUTTA LONDON AGENTS: W. Thacker & Co., 2, Creed Lane, E.C. 4

### A NEW JOURNAL

# THE JOURNAL OF DAIRY RESEARCH

EDITED FOR

The Dairy Research Committee of the Empire Marketing Board by R. W. STENHOUSE WILLIAMS, M.B., C.M.

To be published Half-Yearly

Annual subscription, payable in advance, 15s. net

NOW READY

VOLUME I, NUMBER I, NOVEMBER 1929. TEN SHILLINGS NET

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

#### CONTENTS

#### (All rights reserved)

	PAGE
LEWIS-FANING, E. A Survey of the Mortality in Dr Farr's 63 Healthy	
Districts of England and Wales during the Period 1851-1925. (With	
1 Diagram)	121
	Ter
PETRIE, G. F. An Analysis of the Influence of Irradiation by means of	
a Mercury Vapour Lamp upon the Health and Fertility of a Breeding	
Stock of Guinea-pigs and upon the Health of their Offspring during	
the First Six Weeks of Life. (With 3 Text-figures)	154
	101
BURGESS, A. S. Virulence, Immunity and Bacteriological Variation in	
Relation to Plague. (With Plates IV and V)	165
DUDGEON, LEONARD S. and GOADBY, H. K. Further Observations on	
the Staphylococci, with Special Reference to their Haemolysins and	
	100
Variability. (With Plate VI and 1 Chart)	180
WILSON, G. S. Transient Fluctuations in the Resistance of Mice to	
Infection with B. aertrycke. (With 6 Text-figures)	196
GRAHAM-SMITH, G. S. The Longevity of Dry Spores of B. anthracis .	213
	210
SMITH, J. and FRASER, A. M. Agglutination Reactions in Relation to	
Sonne Dysentery	216
PHILIP, SIR ROBERT, MCKENDRICK, A. G., AND OTHERS. The Standardisa-	
tion of Tuberculin. (With Plates VII-XII)	221
GREENWOOD, M., NEWBOLD, E. M., TOPLEY, W. W. C., and Wilson, J.	
A Further Study of Herd Mortality under Epidemic Conditions .	240

The Journal of Hygiene is issued as material accumulates. A volume containing four numbers is issued annually in paper covers at the following net prices:

Volumes I—III (1901-3). 17s. 6d. Volumes IV—XVI(1904-18), excepting Vol.VI, no. 4, Plague number. 25s. Volume XVII (1918). 31s.

Volumes XVIII-XXIX (1919-1929). 42s. each.

Quotations can be given for buckram binding cases and for binding subscribers' sets; also for bound copies of back volumes.

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 fifty 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 £2. 2s. per volume (post-free), payable in advance; single numbers 12s. 6d. net. Subscriptions may be sent to any Bookseller, or to The Cambridge University Press, Fetter Lane, London, E.C. 4.

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 \$10.00 per volume; single numbers, \$3.00 each.

Plague Numbers, Vol. VI. no. 4 (out of print), Vol. VII. nos. 3 and 6, and Vol. VIII. no. 2, Vol. X. no. 3, Price 6s. net each.

A series of Plague Supplements has been issued; the first four of these contain Reports VI-IX on Plague Investigations in They are, in pagination, completely independent of the India. 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. and v. 7s. net each. Plague Supplements i, ii, iii can also be supplied bound in buckram, price 20s. net.

FRINTED IN GREAT BRITAIN BY W. LEWIS, M.A., AT THE CAMBRIDGE UNIVERSITY PRESS