# **REPORTS ON PLAGUE INVESTIGATIONS** IN INDIA

- ISSUED BY THE ADVISORY COMMITTEE APPOINTED BY THE SECRETARY OF STATE FOR INDIA, THE ROYAL SOCIETY, AND THE LISTER INSTITUTE.
- (Forming four extra numbers of the Journal of Hygiene: vol. VI. no. 4, Price 6s. net; vol. VII. no. 3, Price 6s. net; vol. VII. no. 6, Price 6s. net; and vol. VIII. no. 2, Price 6s. net.)

CONTENTS OF THE FIRST PLAGUE NUMBER, September 1906.

#### Introduction

- I. II.
- Experiments upon the transmission of plague by fleas Note on the species of fleas found upon rats, Mus rattus and Mus decumanus, in different Note on the species of neas found upon rats, *Mus ratius* and *Mus decumanus*, in different parts of the world, and on some variations in the proportion of each species in different localities. By the Hon. N. Charles Rothschild The physiological anatomy of the mouth-parts and alimentary canal of the Indian rat flea, *Pulex cheopis*, Rothschild On the effect upon virulence of passage of *B. pestis* through rats by subcutaneous inocu-lation without intermediate culture
- ш.
- IV.
- On the effect upon virulence of passage of B. pestis through rats by cutaneous inoculation V. without intermediate culture
- VI.
- VII.
- A note on the immunity of Bombay rats to subcutaneous injection of plague cultures On the infectivity of floors grossly contaminated with cultures of *B. pestis* On the number of plague bacilli in the blood, urine, and facees respectively of rats which VIII. had died of plague On the quantitative estimation of the septicaemia in human plague On the existence of chronic plague in rats in localities where plague is endemic
- IX.
- X.

# 116 pp., with 6 Plates and 6 Folding Tables.

# CONTENTS OF THE SECOND PLAGUE NUMBER, July 1907.

- XI.
- The diagnosis of natural rat plague The pathological histology of the spleen and liver in spontaneous rat plague, with obser-vations on the experimental infection. By J. C. G. Ledingham, M.B., B.Sc., M.A. Transmission of plague by feeding rats with infected material On the significance of the locality of the primary bubo in animals infected with plague XII. XIII.
- XIV. in nature
- Further observations on the transmission of plague by fleas, with special reference to the fate of the plague bacillus in the body of the rat flea (*P. cheopis*) XV.
- Experimental production of plague epidemics among animals. (Second Communication) Experiments in plague houses in Bombay. (Second Communication) On the external anatomy of the Indian rat flea (P. cheopis), and its differentiation from XVI. XVII.
- XVIII. some other common fleas On the natural occurrence of chronic plague in rats
- XIX.
- A note on man as a host of the Indian rat flea (P. cheopis) XX.

## 154 pp. with 6 Plates.

### CONTENTS OF THE THIRD PLAGUE NUMBER, December 1907.

- Digest of recent observations on the epidemiology of plague XXI.
- XXII.
- The epidemiological observations made by the commission in Bombay City Observations made in four villages in the neighbourhood of Bombay XXIII.
- General considerations regarding the spread of infection, infectivity of houses, etc., in XXIV. Bombay City and Island

#### Observations in the Punjab villages of Dhand and Kasel. XXV.

### 302 pp., with 23 Plates, and 76 maps and charts.

#### CONTENTS OF THE FOURTH PLAGUE NUMBER, May 1908.

- The part played by insects in the epidemiology of plague. By D. T. Verjbitski, M.D., XXVI. St Petersburg
- XXVII. Report on experiments undertaken to discover whether the common domestic animals of
- India are affected by plague. By W. B. Bannerman and R. J. Kápadiá XXVIII. Additional experiments on the septicaemia in human plague, with an account of experiments on the infectivity of the excreta XXIX. Observations on the bionomics of fleas with special reference to *Pulex cheopis*

- XXX. The mechanism by means of which the fleat clears itself of plague bacilli XXXI. On the seasonal prevalence of plague in India XXXII. On the differential diagnosis of the plague bacillus from certain allied organisms

### 148 pp. with 7 charts.

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

# CONTENTS

# (All rights reserved)

NUTTALL, GEORGE H. F. and FANTHAM, H. B. Theileria parva,	
the Parasite of East Coast Fever in Cattle. (Plate XII and	
2 Charts.)	117
HARDING, W. A. A Revision of the British Leeches. (Plates	
	190
XIII to XV and 16 Text Figures.)	130
NUTTALL, GEORGE H. F. The Degenerative Appearances	
observed in Piroplasma canis and in Trypanosoma brucei	
	000
following upon Drug Treatment. (2 Diagrams.)	202
WENYON, C. M. A New Flagellate (Macrostoma mesnili N.Sp.)	
from the Human Intestine with some Remarks on the	
Supposed Cysts of Trichomonas. (Plate XVI and 2 Text	
Figures.)	210
HEAPE, WALTER. Note on the so-called Musculature of Taenia	
	017
elliptica. (Plate XVII.)	217
SWELLENGREBEL, N. H. Fixation and Staining of Trypanosoma	
lewisi. (7 Text Figures.)	226
PORTER, ANNIE. The Leucocytozoa	239

PARASITOLOGY will be published about four times a year. The numbers will afterwards be issued in volumes each containing four numbers and amounting to between 400 and 500 pages, with plates and figures.

Papers for publication should be sent to Professor GEO. H. F. NUTTALL, F.R.S., 3 Cranmer Road, Cambridge, or to the Associate Editor. Other communications should be addressed to the University Press, Cambridge.

Papers forwarded to the Editors for publication are understood to be offered to *PARASITOLOGY* alone, unless the contrary is stated.

Contributors receive fifty copies of their papers free. Additional copies, not exceeding 200, 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 (double number 14s. net). Subscribers to the Journal of Hygiene may obtain single numbers of PARASITOLOGY at the reduced price of 5s. net, or may become subscribers at the reduced rate of 15s. per volume. Subscriptions may be sent to any Bookseller, or to MR C. F. CLAY, MANAGER, Cambridge University Press, Fetter Lane, London, E.C.