LECTURES ON TROPICAL
DISEASES: BEING THE LANE
LECTURES FOR 1905 DELIVERED AT
COOPER MEDICAL COLLEGE, SAN
FRANCISCO U.S.A. AUGUST 1905

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649628957

Lectures on Tropical Diseases: Being the Lane Lectures for 1905 Delivered at Cooper Medical College, San Francisco U.S.A. August 1905 by Sir Patrick Manson

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SIR PATRICK MANSON

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LECTURES

ON

TROPICAL DISEASES-

The Lane Lectures

For 1905

DELIVERED AT COOPER MEDICAL COLLEGE, SAN FRANCISCO U.S.A. AUGUST 1905

BY

SIR PATRICK MANSON

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CHICAGO

W. T. KEENER & CO.

90 WABASH AVENUE

1905

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LECTURES

ON

TROPICAL DISEASES.

I.

PRINCIPLES DETERMINING THE GEOGRAPHICAL DIS-TRIBUTION OF TROPICAL DISEASES—EPIPHYTIC DISEASE: ANKYLOSTOMIASIS.

My first duty is to thank the authorities of this College for the honour they have done me in selecting me as Lecturer on this occasion. It is no small honour, and it is one, I need hardly assure you, I highly appreciate.

While thanking you I would congratulate you, not on your choice of lecturer, but on your choice of subject. Considering the time and the place there could be no more appropriate theme than Tropical Medicine.

During the last few years tropical pathology has advanced by leaps and bounds, and probably at a greater rate than any other department of medicine. I was going to say every month—this may be exaggeration—but certainly every year brings with it some notable discovery, some new fact, some new disease, some fresh light on an old disease, or, it may be, some revolutionising idea pregnant with possibilities.

Thirty years ago tropical pathology as a distinct department of medicine could hardly be said to exist; but within that short space of time how many important discoveries have been made! To mention but a few, I might point to the germ causes of leprosy, of cholera, of Mediterranean fever, of chyluria, of tropical splenomegaly, of tropical sore, and, most important of all, of malaria; it may be also of dysentery, of liver abscess, of sleeping sickness. Many hitherto unknown animal parasites, some exercising pernicious effects on their human hosts, have been dragged to light; and helminthology, until recently an insignificant, if not a despised, branch of pathology, has acquired an importance no longer to be ignored. The protozoa, formerly hardly mentioned in our text books, thanks mainly to research in tropical pathology, are gradually usurping the premier place hitherto held by the bacteria. Lastly, an entirely new and, especially from the standpoint of preventive medicine, a most important departure was inaugurated when it was found that insects and their congeners are instrumental, and in many instances are necessary agents, in the diffusion of a considerable section of human and animal disease. When the mosquito made her bow on the stage of pathology, and more especially when Ross demonstrated her rôle in malaria, a new and most important era in the science of medicine was inaugurated.

Manifestly the present is an appropriate time in which to discuss tropical medicine. Equally appropriate for this discussion is the building and the city in which we are assembled. Whether ye will it or no, America is bound to expand. I cannot pretend to say precisely what form this expansion is to take, whether it is to be in the shape of conquest, of colonisation, or merely of moral, intellectual, and commercial assimilation, or, in other words, as civilisation; but certain it is that one