

PULMONARY
TUBERCULOSIS
ITS ETIOLOGY &
TREATMENT

DAVID C. MUTHU

PULMONARY TUBERCULOSIS
ITS ETIOLOGY AND TREATMENT

**A BRIEF SURVEY OF THE SCIENTIFIC, THE SANATORIUM
AND THE SOCIAL ASPECT OF TUBERCULOSIS**

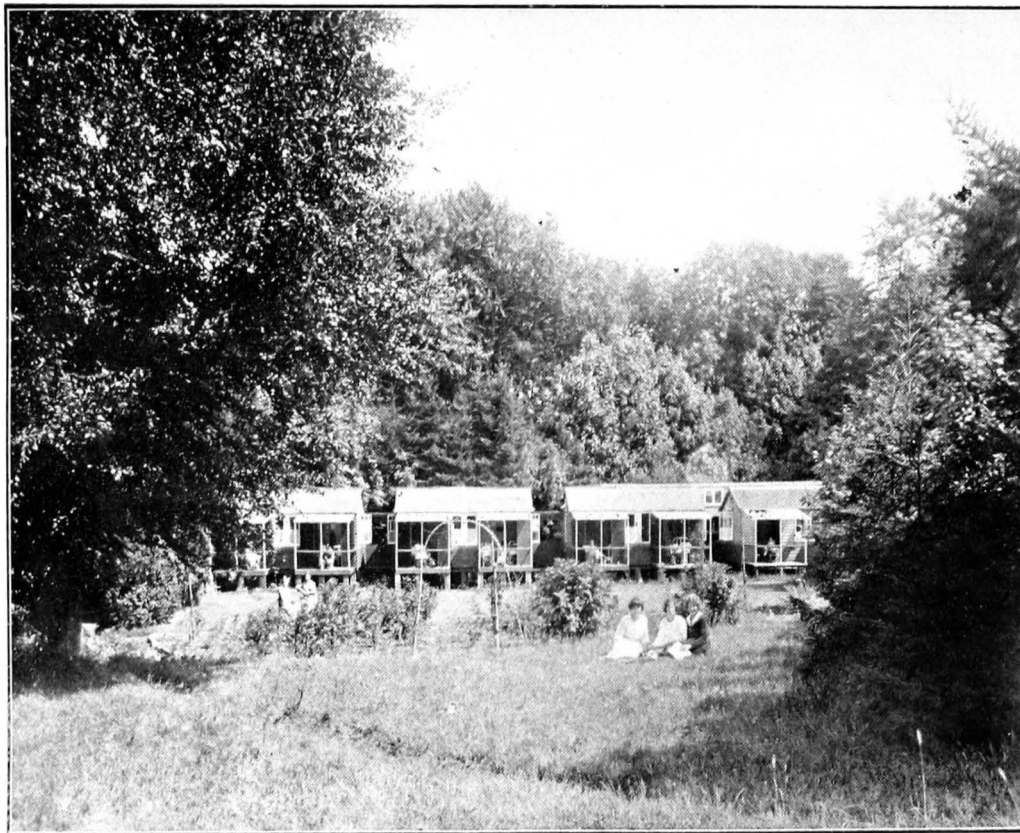


FIG. 1.—GROUP OF CHAËLETS AT MENDIP HILLS SANATORIUM.

PULMONARY TUBERCULOSIS

ITS ETIOLOGY AND TREATMENT

A RECORD OF TWENTY-SEVEN YEARS' OBSERVATION
AND WORK IN OPEN-AIR SANATORIA

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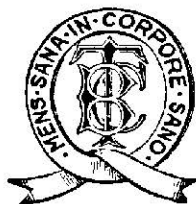
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'PULMONARY TUBERCULOSIS AND SANATORIUM TREATMENT'
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“The strength of a character is measured by its resistance to the contagion of accepted ideas.”

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PREFACE TO THE SECOND EDITION

IN this new edition the scheme of the book remains the same, and the author does not find it necessary to alter any of the main conclusions and views that have been put forward in the body of the work. In fact, the principles laid down in the previous edition are given in the present a greater emphasis and wider outlook. A chapter on the general survey of tuberculosis has been added which summarizes the present state of our knowledge of the disease. In reviewing the whole problem of tuberculosis from its preventive aspect and in its broad relation to the health and well-being of man, there present themselves two or three important ways along which medicine may advance in the future.

(a) The trend of modern thought points more than ever to the betterment of the social and economic conditions of the people for the real solution of prevention of tuberculosis. The growing desire of the community for the fresh-air life and for improvement in their environmental conditions, together with the endeavour of civilized nations to carry out a programme of social welfare and health service, give promise of producing a stronger and more efficient race in the coming generation which will result in the gradual reduction of the incidence and mortality of tuberculosis.

(b) The recent progress made in non-specific therapy has enabled us to recognize Nature's vital activities in the cure and arrest of disease through inflammatory reaction rather than through any specific means. To understand and follow Nature's methods (Nature is only another name for the Divine power) is to realize the ways and means to secure the elimination of tuberculosis.

(c) The discovery of the electronic concept of matter and of its property of radio-activity when applied to the human body opens up great possibilities in the conquest of disease. As Marconi says, 'We are just entering what may be called the field of vibrations, a field in which we may find more wonders than the mind can now conceive.' The practical application of electro-magnetic waves and their various frequencies in the realm of commerce can surely be extended to medicine for the detection and prevention of disease, if the medical profession has the courage and insight to make use of them for the good of suffering humanity. Unless the campaign against tuberculosis teaches the civilized man to change his present material, strenuous and unhealthy aims and pursuits, and to follow a more sane, simple, and natural living, he will have gained no advantage even if he had achieved the conquest of consumption, as by escaping from tuberculosis he will only fall a prey to a brood of other evils, such as cardiac, renal, and malignant diseases that lurk within civilized beings.

Prevention is the order of the day. The freedom that is worth having is freedom from disease. Therefore it is becoming more and more necessary for medicine to understand the signs of the times, to welcome light from every quarter without bias or prejudice, and to lead mankind in the pursuit of preservation of health and the prevention of disease rather than spend its energy in the treatment of symptoms when disease is firmly established in the human body.

D. C. M.

LONDON,
September, 1927.

PREFACE TO THE FIRST EDITION

IN this volume the writer approaches the problems of tuberculosis from the nutritional and other aspects, which were dimly outlined in his previous work, and which are now amplified and enlarged by the survey of recent advances in scientific knowledge. Since my previous work on the subject was written in 1910, we have travelled a long way on the path of research and experience in tuberculosis. We have lingered long enough at the milestone of bacteriology. We are now tempted to stop at biochemistry, and to make much of the marvellous revelations of chemical and biological actions within the human body. Further on the way sociology meets us to show how profoundly normal and abnormal processes are influenced by man's daily life and environment, and psychology beckons us to explore the untrodden paths of human thought and action in their bearing on health and disease. In the growing light of these sciences we can no longer be satisfied with microbe and other theories which did duty a generation ago. The spirit of the times demands that we should adjust our angle of vision and study life's processes from social, economic, and psychological aspects which offer a more satisfactory solution in the etiology and treatment of tuberculosis. If in the attempt to apply the message of modern thought to the many phases of tuberculosis there has been some criticism of orthodox views, it is to emphasize that health and disease have physical as well as psychic and spiritual values, and that only in their right relation and perspective can a true picture of the disease be formed and its treatment satisfactorily carried

out. The reader may not be able to follow us all the way, but we shall be amply rewarded if his perusal of this work helps in any small way to stimulate thought, challenge enquiry, and broaden his horizon in the study of tuberculosis and other problems of life.

As in the previous work, the first part of this volume deals with the scientific, the second part with the sanatorium, and the third part with the social aspect of tuberculosis. Our sincere thanks are due to Professor Gowland Hopkins for valuable suggestions in the chapter in 'Biochemistry,' and to Dr. R. C. Macfie for his help in going over the proofs.

D. C. M.

October, 1922.

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ERRATA

Page 24, 12 lines from bottom, *for a read the.*

Page 38 (plate facing), Fig. 4, *for brain read vein.*

Page 49, 19 lines from top, *for specificity read no specificity.*

9 | Page 78, 10 lines from bottom, *for 1878 read 1879.*

Page 81, 9 lines from top, *for increases read increase.*

Page 182, 6 lines from top, *for processes read processes.*

Page 339, 14 lines from bottom, *for Birmingham read Birmingham!*

Page 356, 4 lines from top, *for inferences read inference.*

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