

Air in the Treatment of Pulmonary Tuberculosis and its Complications. The American Review of Tuberculosis, Vol. IV., No. 4.

7. Pottenger, M. F. Clinical Tuberculosis. C. V. Mosby Co. 1917.

8. Bullock, E. S. A Contribution to Climatic Phthisiotherapy Transactions

of 2nd Annual Meeting of the National Association for the Study and Prevention of Tuberculosis, 1906.

9. Journal American Medical Ass'n. 1909, LII 1973.

10. Ross W. H. A Study of the Climate of Long Island. Brooklyn Medical Journal, March, 1904.

Cancer a Mutiny of Body Cells.

By L. Duncan Bulkley, A. M., M.D.
New York.

SOME one has likened the systemic process of carcinosis, which results in the local lesions in various locations of the body to which have been given the name of cancer, to a mutiny or rebellion of certain previously normal or healthy body cells to the conditions under which they exist, in regard to nourishment, hygienic surroundings, personal treatment, etc. While the suggestion was briefly considered in my recent book, the subject is such a wide and important one, and opens so fully all the relations of cancer, that it will bear further development.

We can understand how the body cells rebel against wrong conditions of nourishment, in the light of the remarkable book by Quevli² in which the subject of "Cell Intelligence" has been worked out and developed scientifically, and so convincingly that there is no question but that their aberrant and riotous action is the result of the condition in which they find themselves.

A regiment of soldiers has been sent far away, as, for instance, to Siberia, and owing to difficulties

of transportation and lax and bad management mainly on the part of subordinates, the food and other elements of life have become wrong and in every respect intolerable. Finally a single soldier or two representing individual body cells, rebel, and declare to their comrades that they will not stand it longer, and presently fifty or more agree with them, and they propose to kill their officers and return home. The colonel of the regiment hears rumors of the dissatisfaction and investigates, and happens in at a meeting of the plotters, and quickly surrounds and arrests them and has them all shot, just as the surgeon removes the riotous group of cells forming the tumor called cancer.

But if the intolerable conditions of life remain the same, this may not prevent another group of riotous soldiers, or cells, forming in the same locality or elsewhere in the regiment or body, and the surgical removal or shooting of these will not prevent still other mutinous bodies forming, until the whole regiment or body becomes affected, and subsequent drastic treatment ends the life of the reg-