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My dear Doctor,

I am sending you under separate cover Volume V of "Researches on Fungi" by A. H. Reginald Buller. This is a very late work and seems to me very apropos of our problem right now. I would suggest that you study it very thoroughly and I want to call your attention particularly to the marked paragraph on page 133 on the death of cells in hypha, and on page 134, how the hypha cells were killed with a needle. I believe a little experimenting would show you how a dead hypha cell looks.

I would suggest that you set up a slide with a hanging drop planted with the cryptomyces pleomorphia. Set your machine and the microscope together. After it gets to growing, start out and set one of the groups to the MOR of BX. Then with the other group, start with a certain switch on Group 2 beginning at zero. Give one minute exposure, wait about fifty minutes, and then see if there is any change. Then move the dial of Group 2 up to ten and give another minute exposure, waiting about fifty minutes and then examining it carefully. Go on that way throughout the dial and you will get through about one switch a day. Pretty soon you will find some setting that will kill the organism. Mind you, you are running at every exposure Group 1 on the BX MOR.

If you got this setting started, Jack could do the microscope work and if he got any change, he could call your attention to it. That would save both your eyes and your time. It is very important that we find the MOR of this fungus before I start in with the clinical work in the hospital with this new machine.

I am enclosing in this letter a suggestion of a method of finding the MOR of the Much Granules in tuberculosis. I would like to know what you think about it, whether it is practical or not. After our experiments last week, I am perfectly satisfied that a three-minute exposure with the MOR of the tuberculosis bacillus and the MOR of the Much Granule will destroy every tubercular germ in the human chest.

I know you are busy as the deuce and there are a lot of things you would rather do, but it would not take you very long at least to make a set-up on the fungus and get that started, and it might mean the difference between success and failure in my work in the clinic.

Wishing you all kinds of good luck and hoping that you will not vote me the darndest nuisance on the block, I am

Sincerely, your friend,

Wilbur Johnson

P.S.

Tell Jack that I am still waiting for his full report on the experiment that we did on the 3^d of Oct.

WJ

Dr. R. R. Rife
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