

June 24, 1912.

Dr. F. S. McKay,

Colorado Springs, Colorado.

Dear Doctor:-

I want to suggest to you another line of observation that I wish you would consider, and write me how it fits in with other things.

Do you know what a freckle is and what it means in the pathological aspect of mottled teeth? Perhaps you never thought of it. Do you know what causes freckle spots? It seems to be true that children who play much in the bright sun, develop freckles, and of all the places for freckled children, I never saw any other equal to Colorado Springs. This coloring in freckles seems to be in the line of junction between the epithelial cells, just as the lesion in mottled teeth is in the cementing substance between the enamel rods. The enamel rods are of course epithelial in that region.

Now I hope that you see my point. Run over in your mind as well as you can, the conditions as to light in the different places that you have found very susceptible - abnormally so, we may say - like that of the Picton coal-mine area. You speak of that being dry and without vegetation. What color is the ground? Is it light colored, reflecting the light and intensifying the whole area of light, or is it black so that it absorbs the light. Run over the different localities in your mind and see whether there is any coincidence between this thought and the conditions you found. Now it is the brag of Colorado Springs that they have more sun-light

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Dr. F.S.McK. #2 .

than any other place on earth, and right here may be the key to  
this whole difficulty. I say "may be" - I don't say that it is.