

Colorado Springs
Feb. 6-1910

Dr. G. F. Black
Chicago Ill.

Dear Doctor Black-

The slides & the second report reached me in due season for which I most earnestly thank you. I laid the slides aside till I could look at them through a lantern which I did a few evenings ago with Burton.

They are of great value and assistance in depicting the lesions that we are interested and those showing the vacant spaces filled with shells are certainly conclusive.

It was decided that it would be better not to present this matter at the Druse meeting of which I spoke because of the prominent character of that meeting, the Committee in Druse feared a leak, & could not guarantee that it could be kept out of the papers.

They suggested as an alternative that we take

the matter up at a quiet meeting later in the Spring.

One point of which I am not altogether sure regarding the specimens that were filled with shellac.

It surely could not be the whole tooth crown, uncut, that was so treated, but a ground section.

I raise this point to make sure on account of the doubt we feel as to whether the brown can become visible or not after eruption.

You know that in the many cases we saw where the upper centrals for example were from $\frac{1}{3}$ to $\frac{1}{2}$ way into the mouth we saw a large number of "white" teeth but I can recollect no case that showed brown. The question is raised as to whether some substance is already there in these empty spaces between the rods which becomes changed to brown in the mouth environment or action of light possibly or some other way unknown.

Given a normal Nasmyth's membrane do you conceive it possible that pruritation can occur from the mouth into the spaces between the rods? Also - did the gasoline dissolve the coloring from

An uncut tooth crown, or was it from a cut section? I take it to be the latter.

As to our work here I can report some progress.

After diligently circulating the report among the men on the whole Committee we selected the "psychological moment" and called them to meet two weeks ago tomorrow (Monday).

I notified every one by postal card and twice by phone and the result was a meeting at which every one of the 15 members was present, a very gratifying showing. This included four of the busiest Physicians in the city.

Dr. Hocum presided & I was asked to make a brief statement of our position and necessities which I did. The enclosed form was circulated in the original among those present as a brief statement of the kind of action or endorsement we wanted and action was taken promptly, the matter going through without dissent. Among those present was our Mayor who was at once interested and the opinion of the Committee was that the matter be taken up with the City Council &

the County Commissioners the Mayor assuring us that he could control the newspapers men who attended the meetings of the Council & that the most of the discussion could be in executive session.

The enclosed form was adopted & the signatures of all members subscribed.

A working Committee was named by Dr. Slocum consisting of myself as Chairman, Dr. Gardiner a physician & a man who has done considerable research work, and who is considered one of our leading and best known physicians and Mr. John Lennox a business man.

It was decided that the Report from you be circulated among the 4 members of the City Council (you know that we operate under the Commission form of government) & after they had read it, which all but one has now done, the working committee shall interview them in session as before stated. This same is to be done with the County Commissioners.

Dr. Gardiner has already visited a dog kennel in the city & is told by the keeper that dogs born here

have marks on the teeth. He was surprised to learn that native children had the same so his testimony has a unique value. He promised Dr. Gardiner two pups for research work which will be done by a pathologist here. I intend to visit these dogs & see for myself just what the lesion may be & if possible get some material for you.

Dr. Gardiner brought his dog to me because of his teeth (not professionally) & we found a peculiar condition which I can describe in no other way than erosion. Almost the entire denture was affected, some surfaces on some teeth and other surfaces on others, the lesions being extensive excavations showing brown like a smoker's stained denture. The enamel was normal as to appearance over the unaffected areas of the teeth so I could not conclude that it was the mottled condition.

He may have a clue however in the dog condition I speak of & you may be sure that we will run it down.

Altogether the prospect looks promising and I shall hope to report developments soon.

I shall also report the details of the second Purple examination made about three weeks ago as soon as Burton has made out the figures. We shall have to raise the percentage of mottling there to about 14%.

You will be kept in touch with every detail of future work as soon as we are able to undertake any.

Meanwhile, thanking you for the slide and further report I beg to be with kindest wishes

Very Truly

Frederick S. McKay