

1
Colorado Springs

Oct. 26 - 1909

Dr. G. F. Black

Chicago Ill.

Dear Doctor Black

I enclose check for \$0.55 which seems to be the amount due you on your expense account at the Hotel here, as per the statement you enclosed in one of your last letters.

An old friend of yours, Dr. Adair of Atlanta Ga. dropped in on me a few days ago at your bidding to see the new "disease" we have here. He was under the impression that it was a condition of the gums. I had a case in the office for him to see, which gave him an idea of it. It was not a pronounced case but it cleared up his idea of it.

I am practically at a standstill in that big committee although by considerable hustling I have managed to get all appointments made except from the Chamber of Commerce, just the one that ought to have been the first.

The entire School Board has had your report, excepting the lady member, who has been & is still seriously

ill.

The College Committee is Prof. Schurden the Biologist and I think the Chemist. Neither of these has had the report yet.

Dr. Hocutt has accepted the committee appointment from the Chamber of Commerce & will act as the Chairman of the big committee when we get it together.

Attempts have been made to get certain men to serve on the Committee from the Chamber of Commerce but they have refused I suspect from pressure of other business.

Henderson the Secretary has just left for Billings Mont. to try with other gentlemen to land the next meeting of the Dry Farming Congress now in session there, at Colorado Springs. When he returns we will go over the list of members and try to pick a man.

At the last meeting of the Medical Society Dr. Butts & myself attended. I read almost all of your report to them. We got up quite a discussion and the Society voted us its hearty endorsement, also a Committee to work with us.

The Merchants Association appointed three good men one of whom now has your report.

As you can realize it is hard to work with such an unwieldy Committee but we will get things rounded up some day I hope soon and get some action.

As to further examinations I have since I last wrote you taken the schoolhouses along the way from Pueblo to here. I did it by going to Pueblo early one morning & with Dr. Smith whose auto-mobile happened to be there, making the return trip with him stopping at each school.

This trip gave us some interesting data. The first one was Pinon (pronounced pin-yon) about 15 miles north of Pueblo and of course right in the valley. 20 children were examined three of whom I was born in Pinon. The histories of these 9 are as follows. 6 had the teeth generally mottled & stained and they were taken together as bad as any six cases I ever saw. They were very typical.

The ~~7th~~ 7th child was born in Pinon & always lived there and yet no marks were found at the age of 12. I noted on his card that the water at his ranch was spring water & very clear & pure. The 8th & 9th children were born in Pinon but went to California at the ages of 2 & 4 remaining away until the ages of 9 & 11 respectively. They are now

11 & 13 respectively. They both escaped the marks the enamel being normal. I forgot to state that they are brother & sister.

Of the six children first mentioned who were so badly marked, 4 were in one family & the other 2 in another family.

Of the remaining 11 children examined we will take out 2 who had no permanent teeth, and another who was born 5 miles south of Pueblo who had at the age of 10 slight marks on lower second bicuspids & so considered doubtful. She came to Pinon at the age of 8. - Also take out 2 at ages of 8 & 9 who had only the incisors & 1st molars in the mouth. They were not marked, having been born in California & Kentucky respectively & come to Pinon at ages of 6 & 7 respectively.

The remaining 6 show as follows. -

- 1 - born in Eden Colo. (say 4 or 5 miles near Pueblo than Pinon) no school there - this would be the Pinon district - all teeth mottled & upper incisors stained.
- 2 - born Pueblo - could not get his history as to where he came to Pinon - all teeth mottled & upper centrals stained.
- 3 - born between Pueblo & Pinon - all teeth mottled & upper centrals stained.

These 3 in the same family (Beusch) &

4 in the badly stained group are in another family (DeLay) because there were no other cases in this area.

Following along in the same group next came to No. 5 - born Eastonville (which is on that Palouse Lake Divide off to the East beyond that timbered county through which you rode with the machine. It may be that you reached Eastonville that day.) Left Eastonville at age of 4; came to Plover at age of 10 and found no marks. All ~~teeth~~ ^{enamel} normal. No. 6 - born Greenland (the other side of Divide) but further to West than Eastonville, left there aged 3 weeks - lived at Eastonville next until aged 3 years then to Monument - then Poring - then Plover. These towns progressively nearer Colorado Springs in the valley of the Monument Creek which joins the Fountain here at age of 2 and found all enamel normal. No marks. No. 6 - didn't know where born - been in Plover only 2 or 3 year - now 8 years old - came to Plover aged 7 - all ~~teeth~~ ^{enamel} ~~just erupted~~ ^{normal} - ~~no other~~

You will readily see that the blight falls pretty heavily on a narrow strip of the Plover district. The fault line runs close to 100 in reality to within 1000 ft.

The next school was Wiggins - no data here because there were no natives. Only 4 or 5 children in the school.

The Butte school came next & gave us very little that we did not know as you will see. Also 5 children examined.

No. 1 - born Colorado Spring - left at age of 1 year to visit to New York - came back to Butte at 2. Now at the age of 9 the only permanent teeth in are the incisors & first molars and their enamel is normal. Later developments to be interesting.

No. 2 - born New Hampshire - came to Colorado Spring aged 4 - came to Butte soon after - at the age now of 14 we find incisors & 2d. molars mottled - all other teeth normal enamel - no stains.

No. 3 - born New Hampshire - came to Colorado Spring aged 1 year - returned East aged 7 - came to Butte aged 7 1/2 - now at age 13 ~~all teeth mottled~~ except first molars first molars normal enamel. all other teeth mottled - upper & lower incisors stained. (Note that this is the first case found with lower incisors stained in the characteristic way)

No. 4 - born Colorado Springs - came to Butte aged 6
now at age 12 all teeth mottled & upper central stained.

No. 5 - born Colorado Springs - came to Butte aged 9
now at age 16 all teeth mottled - upper central stained.

1-2+3 are same family (Kendall)

4-5 - " " " (Smith)

We passed Fountain having taken that before
School at Midfield (between C.S. & Fountain) not
in session that day.

As you see the schools except Pium had no children
native to their respective localities so the data is not
of value except to fasten the guilt more strongly
on Colorado Springs as shown at Butte. It means
that children spending what we may term the
susceptible years in an peculiar environment (otherwise
delightful) are marked for life no matter where they
go afterwards.

It is curious to note that the blight runs so closely
into Pueblo from the north & stops evidently at the
city limits. More work must be done there. The schools
lying farthest north must be seen. The school nurse
there has filled out about 100 cards of cases that
seemed to have these marks in other schools than the one

looked through and I shall look those cases over
at my first chance. I feel that Pueblo is not
entirely free from suspicion.

As to funds for further work a certain rich man
has said that he will be one of 20 to give \$100.00
toward it.

Our new building will be ready Monday & the
next week or two will find our in confusion.

Afterwards I will have better arrangements toward
leaving my office during the time I am away
"chasing the stain."

Allow me to hope that this letter may find you
in good health & spirits & that I may hear from you
at your convenience.

Very Truly Yours
Frederick McKay

720 Exchange Bank Bldg.