Orange, May 8th 1871

Dear March.

I enclose for you the map of the John Day valley and surrounding country. You are quite welcome to keep it all through the coming campaign.

The igneous rocks are colored red. They are represented however by two distinct shades. The long line of red between the two rivers indicates the end of the lava field flowing from the Cascade Mts.

The Tyet river comes down from Mt. Hood.
The opening article in the May number of the "Creland" is from the pen of Thomas Bond. On the "Rocks of the John Day Valley" Bondon published an article some three years ago on the geology of Oregon. Which if you wish to see you can find in Raymond's report for 1870 on "Mining Statistics". Dr. Bush has a copy of the work.

King and party left last night about 8 and will follow in about a week. They commence work near Cheyenne. When do you go out? I trust we may meet out there. Any notes you can furnish me either geological or geographical will be of service.
in the field.
I presume you have seen
the last report from Hayden
on "Contiguous Territory."
Yours,
Arnold Hague,
Orange.
Spur of Blue Mountain Volcanic

Igneous

Tertiary

Cretaceous "older"

Scale of 6 miles to the inch.
New York, N.Y. July 9, 1885

Prof. O. C. Marsh.
New Haven, Conn.

Dear Sir:

I send by mail today the copy of Geological map, which I borrowed from you sometime ago. I hope to get away from here Wednesday night or Thursday morning.

If you should happen to be in town before that time, let me know.

If you have any particular friends who are going out to the Park this season, and will let me know, or send me a card, I will do all I can to make it pleasant for them. - I was in Washington last week and saw the Director, think he is looking better than I have seen him for a long time. Mr. Holloch, who is assistant to Dr. Barro at the Physical Laboratory at New Haven, is going out with me, to make
physical experiments as regards pressure boiling point, point of explosion to see the geyser pipes.
Are you going to Europe this summer?

Very respectfully,
Arnold Hague
#10 West 639 St.
My dear March,

I send you a copy of Herbert's bill introduced into the House on Monday. There is no fear of its passing yet, it may have an injurious effect on appropriations. Herbert was anxious to publish his mining report, but the Committee would not allow it. He gave them permission to offer his bill. I understand that the bill was submitted to Congress and it received his approval before being presented to the House. It is far too sweeping to be very dem-
saying. Powell is a good deal implicated about it. Allison has written to him for his opinion and he is getting up a lengthy report. Everything looks favorable for the appropriations.

Yours truly,

[Name]
Prof. O. C. Marsh,
New Haven Conn.
My dear Prof.

Your letter received. I think my letter to you the day before yesterday will explain most things. There is no doubt that the bill expresses simply the views of Mr Herbert. The bill is simply ridiculous as it permits geological work but prohibits publication. The director is writing up a reply to-day. He says that there is nothing that you can do at present, possibly he may call upon you and others for some expression in the matter but at a later day. There is no doubt but what Agassiz is at the bottom of the business.

Very truly yours,

[Signature]
My dear March

Deare arrived this morning from Texas. He is far from being a well man and I feel sure he can not stand any severe strain on the part of any suspicious investigating committee on an attack in the House on the question of

[1886 May 2]
affirmitations. On the ... strike a heavy blow at the
fury. I say try that
surprised at Barrels
lock of reasons for
The Investigation begins
next week. The trip
com called for Rowell
this week, but he was
not in town.

Yours,

R.F.
CRANE'S DISTANCE
My dear Frank:

I wrote you this afternoon, about 8 o'clock. Since then I have had a long talk with Stevens who tells me he has written you, and from what he says must have told you a good deal of sensational talk. Do not be hurried by
And that Powell had received a good many visits from members of the Academy. Stevenson has gone to see Randell to-night.

Yours,

Arnold Hague
by what he says.

There are, however, a good many wheel within wheel in this business.

I think there is no doubt—but that the Pest is behind all this attack on the geological survey.

Senator Morgan told Stevenson that there were more friends of the survey on the Commission than there were on the National Academy.
My dear Marsh,

I send you a few lines not because I have anything to definite to say but because I suppose you might be looking for something. There is nothing new since the first outburst of the storm. I think that nothing definite will be done against the Survey in Congress only there is likely to be a good deal of talk and possibly some blows may strike. You cannot tell however where the thing will end. I think restricting the publications is aimed very largely at you. I think there is a desire to cut you off from government aid. All the enemies of the Geological Survey will act together in this matter and it behooves the friends of the Survey to be on the alert. Powell goes before the appropriations committee this evening to explain to Randall and others his ideas of the work and publication. Did you see the
article in to-day’s New York World? My opinion is that it is better to delay writing articles to Senators till you learn just what the Commission propose to do officially. In a letter you fire your shot at something which will have no effect if you write before that time. My own opinion is that Powell shot off his letter a little too soon. The result may be that you will not know anything about allotments for many weeks to come. Write me what you hear and do as I want to keep thoroughly posted in the matter. How did King talk to you?

Very truly yours,

[Signature]

Prof O. C. Marsh.

New Haven
My opinion is that we can get to New York without much trouble if we work hard. I can't promise much, but I will do my best. I hope you are doing well. I received your letter a little ago. The results may be good, but you will not know much about it soon. Write me soon, and I will let you know what we are planning to do.

Write me soon, and I will let you know what we are planning to do.

With kind regards,

[Signature]

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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

WASHINGTON D. C.,

May 5, 1886.

My dear Marsh,

Nothing very new to-day. Powell did not appear before the Appropriations Committee last evening as I wrote to you but is before them this afternoon. The temper of the Committee can be best judged from the interview. The bill restricting the publications of the Survey has, I understand from Powell, the unanimous consent of the Commission except that they strike out the section referring to laboratories. The section referring to the publication of the monographs and bulletins, and the publications of paleontological work stands as it did originally in Herbert’s bill. This is a pretty sweeping change. Agassiz’s letter has had a very great influence with the Commission. Cope has followed it up closely having had interviews with several members of the Commission. He states that he is ready to publish all this
material at his own expense and at the expense of societies, thus relieving the Government of the cost. This of course is a direct blow at you. Agassiz, Cope and Coues are all after the same end and so far as I can learn these three men have been most active in bringing about the present condition of affairs. I should like to know just how King feels. If I wrote him he would of course not answer my letter.

Very truly yours,

Arnold Hague

Prof. O. G. Marsh

New Haven.
The phone traffic at the Government Office is always hectic. I am sure you agree with me on this point. It seems that everyone wants to talk to someone. The phone lines are always busy. I am often called to handle urgent matters. It can be quite stressful.

I would like to recommend a few techniques to improve efficiency. One effective method is to prioritize calls. It is important to focus on urgent matters first. Additionally, having a clear schedule can help manage time better.

I hope this information is helpful. If you have any kind of issue, please feel free to contact me. Thank you for your kind consideration.

Best regards,

[Handwritten note at the bottom]
I am informed that the raid of Senator Morgan and Congressman Herbert upon the Geological Survey grows out of a feud between Prof. Marsh, of Yale College, and Prof. Cope, the two eminent paleontologists. Major Powell, the director of the survey, has placed Prof. Marsh in charge of that branch of the investigations of the bureau, instead of Prof. Cope, who had the work while Prof. Hayden was in charge. Both are able men, but are not satisfied with the work of each other and have not been for years. If the work should be given to Cope I suppose Marsh would make war upon the survey, and Major Powell has got to stand the racket whichever way he may turn. At the Cosmos Club, where the scientific men of Washington make their rendezvous, the details of the squabble are well understood and are a topic of discussion constantly. There is only one voice concerning the report that Congressman Herbert has made and only one opinion as to the authorship. They all say that no one but Cope could have written it; that it bears his imprint in every line, and that there is not a man in the United States who could handle the subject with as much ability and vigor as he.

DEPARTMENT OF THE INTERIOR

UNITED STATES GEOLOGICAL SURVEY

WASHINGTON D. C.

May 13, 1886.

I suppose that you have been looking for or several days, but there has been nothing report. Powell has not yet appeared before the appropriations Committee owing to the slight indisposition of Chairman Randall. He has made one or two appointments but they failed to come to time. This morning he appeared before the Science Commission and talked for two hours. He appears pretty well pleased this afternoon with his interview and says he got in several good points. They, however, expressed no opinion as to what they would do. This best information is that Allison, Hale, and Wait of Conn. will sign a majority report strongly in favor of the Survey. I enclose herewith a clipping from last Sunday's Capital which may interest you.

Very truly yours,

Prof. O. C. Marsh,

New Haven.

Arnold Hague.
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY
WASHINGTON D. C.,
May 13, 1886.

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Very truly yours,

Prof. O. C. Marsh,

New Haven.
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY
WASHINGTON D. C.,
May 13, 1886.

My dear Marsh.

I suppose that you have been looking for a letter for several days, but there has been nothing special to report. Powell has not yet appeared before the appropriations Committee owing to the slight indisposition of Chairman Randall. He has made one or two appointments but they failed to come to time. This morning he appeared before the Science Commission and talked for two hours. He appears pretty well pleased this afternoon with his interview and says he got in several good points. They, however, expressed no opinion as to what they would do. This best information is that Allison, Hale, and Wait of Conn. will sign a majority report strongly in favor of the Survey. I enclose herewith a clipping from last Sunday's Capital which may interest you.

Very truly yours,

Prof. O. C. Marsh,

New Haven.
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

WASHINGTON D. C., June 9, 1886.

Prof. O. C. Marsh,
New Haven Conn.

My dear Marsh:

I telegraphed you a few words this morning giving you good news from the Joint Commission investigating the scientific bureaus. The Major received yesterday afternoon advanced proof-sheets of the full report from the Printing Office, and he had it read aloud to all five of us here in the office. I will not pretend to give you any synopsis of it now. You will see it before a great while. It is a very long report, going over the whole ground of the exploration surveys. It certainly takes very strong ground in favor of the Geological Survey, and I do not see how we could have expected the Commission to have made a stronger report. It takes the bull right by the horns, discusses the expense and time of the whole thing, and says it must go on, and never for a moment dodges or attempts to go around the cost of the Survey, but says it is of great
national importance and must be provided for from time to time by Congress.

It estimates that the work will take at least 24 years, and that the field-work, office, and publication will cost many millions of dollars. Nevertheless, the work must go on, the plans and methods being changed from time to time according to the new developments of science, the increase in population of the country, and the increase in the public treasury. The only restriction which it proposes is in the matter of compelling all illustrations and costs of printing to be submitted before authorization of publication. This, I think, is no more than right, because with free use of illustration and printing there is no doubt that anybody will be liable to extravagance. The only thing the Major objects to is that it places the illustrations of the Annual Reports on the same footing with those of the monographs and bulletins, and he would much prefer to be free to get out the Annual Reports without having to submit costs of illustrations. While this would be an improvement, it is not to me a very serious matter, and I think in time will be properly adjusted.
We all feel very much delighted with the result so far, and Powell justly feels in very good spirits to-day, as he has had a pretty long fight over the matter. My opinion is nothing will be done this summer. The report will be presented, printed, and put on the tables of the Members. There may be some little discussion but the great discussion will go over till next winter. The report puts the matter in the right light. It states that the work is a great national work, will be very expensive, gives the figures and lets everybody know just where we stand, and what they (the Commission) think ought to be done. It will probably give rise to a great deal of discussion, but in the end we will come out all right.

The Appropriation Committee have prepared the sundry civil bill with the exception of the section referring to the appropriations for the Coast Survey and Geological Survey. Now that they have the report of the Commission before them they will probably fill in the amounts to be given to the different bureaus. My opinion is that we will get the same as last year with possibly a very slight increase, but not very much. The pressure from headquarters is to cut down
appropriations, so that we will do very well if we hold our own of last year.

I cannot say how soon I shall get away. I want to leave in a few days, but there are some matters about which I want to talk to the Director, and he does not feel like acceding to any plans of operation until he understands pretty well what Congress will give us.

The Joint Commission report is signed by Allison, Hale, Lowry and Wait. There had been some doubt about Lowry, but he comes out all right in the end. This is important, because he is a Democrat, and all others Republicans. The minority report will be signed by Senator Morgan and Herbert---both Democrats.

Very truly yours,

[Signature]
Prof. O. L. March,
New Haven, Conn.

My dear March:

Your letter of the 5th sent to
Washington reached me here upon my arrival
three days ago. I left Washington in June
and was detained a long time in Bogema
outfitting the party. I am here at the Springs
till Monday when I hope to start for the
Upper Geysers Basin. I suppose your ques-
tions in regard to the action of Congress have
been answered before this. It seems to me
the survey came off with a great victory
in both houses of Congress, considering the
attacks which had been made upon during the
past year. Herbert’s speech and the debate
in the House were wholly insignificant. The
whole thing seemed to turn largely upon
law, and that on the question of your drawing
two salaries, but as this is an error I do
not see that there was much damage done. The points which Herbert made about your Report were evidently given him by Cope, only some person as familiar with the subject could have posted him so well.

Mrs J. is not coming here this summer but remains in Colorado with her mother.

Truly yours,

[Signature]