New Haven
2
Oct 12-84

RMr 6 c. March,

Dear Sir,

The copy of the report of the special committee appointed by you to make a report on the coordination of the work of Seab. Swag, the Exc. 

Swag, the Signal Loom and the code thorough the engine control which was sent to
In signature, having
having reached me,
and I having read
the return which
you kindly sent me
I hereby authorize
you to sign any
name to the return.

Your truly,
W.P. Emshag.

I also authorize you
in affixing signature, after

Certain verbal changes are
made which I have pointed out,
and any others which may be
considered advisable must be.
School of Mines, Columbia College,
Corner 49th Street & 4th Avenue.
School of Mine,
New York, Oct. 13, 1884

Prof. D. C. Marsh.
Pratt Inst. Academy of Science.

Dear Sir,

This morning's mail brought me the report of the Councillor prepared by Emil Mosy with a letter from him enclosed in the same package, both of which I forward to you just now.

The package was post marked Washington.
sept 25, as you will see. The package came from the Post Office by the morning mail or at least was put into my box either Saturday or Sunday. As the money I conclude therefore that the package has been delayed in transit. I have received the report.

Yours truly,

[Signature]
My dear March,

It gives me great pleasure to respond to the inquiries contained in your letter of April 4, relating to the proposed expedition of the W. H. Field to the Arctic regions for the purpose of charting and exploring the present position of the North magnetic pole of the earth.

Such an expedition should meet with universal approval as having definite aims and objects of great interest to science at the present day. Explorations in the Arctic regions have heretofore been chiefly directed to the extension of geographical knowledge. Other discoveries, connected with the natural sciences, having been to a great degree incidental. But the proposed expedition, as I understand,
is to have for its main object observation, connected with a branch of terrestrial physics of which little is known comparatively, as far as the causes of the most common phenomena are concerned, but through the recent advances in electrical science have grown in increased importance.

While the determination of the probable position of the North Magnetic pole at the present time is a matter of great interest, yet I should consider that the knowledge to be gained by observations on the vicinity of this pole, where magnetic action is most intense, in conjunction with similar observations made at different points of the earth's surface, would be of far greater value, provided the character of such observations should be such as to throw light upon the real source of the earth's magnetism and the causes of its variations.

The nature of the observation to be made, the instruments to be used, the station to be occupied, and the constitution of observers in various places, are matters which should doubtless be submitted to a commission of experts, but in the mean time I think the project should be one every way encouraged and considered as worthy of carrying on.

Very sincerely yours,

M. P. Thwaites

To: Secretary U. S. Marshall

N. Haven

Conn.
I send also with the Report the following accompanying documents.

Communications from the Chief of the Signal Service.

Director of the Scantop Survey.

Ward of the Coast Survey.

and from the

I send also with the Report the following accompanying document.

Communications from the Chief, the Coast Survey, from the

Director of the U.S. Scantop Survey.

from the Chief of the Signal Service.