

1984/

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

WASHINGTON D. C. Dec. 21st, 1888.

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

Sir:

By freight I have sent you ^{from here} three (3) boxes of fossil bones collected by me during the summer of 1888 from the beds you identified for me as "Pliohippus beds". The locality is "Between the Gallatin and Madison Rivers, four miles south of Gallatin City, Gallatin Co., Montana."

Very respectfully,

A. C. Peale

Geologist.

Montana Division of Geology.

1984

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

WASHINGTON D. C. Jan. 2nd, 1889.

Prof. O. C. Marsh,

Dear Sir:

The bones sent you are from two places, (a and b in diagram) in the area lying between the Gallatin and Madison Rivers, about four miles south of Gallatin City, Gallatin Co., Montana.

The two places are less than one mile apart. a is a ravine with a



limited outcrop of gray sandstone, the exposure after excavation not being over ten feet in length, and about three feet below the general surface. From this place all the fossils in the solid rock were obtained. This place was known to persons in the neighborhood and was visited and dug over so that what I secured is only a part of what originally occurred there.

The bones that are loose and weathered are from the bluffs overlooking the Madison Valley, and were found scattered all along the bluffs (always at the same horizon) for a distance of about two miles. The sandstone in which they were contained is a gray sandstone exactly like that of point a, which, as I have already noted,

is less than a mile distant, and I have no doubt it is the same.
The bones are not very numerous in the bluffs, and not more than
three or four fragments were picked up together. If there is any
further information I can give, and you will let me know, I will
try to furnish it.

Respectfully,

A. C. Peale

Geologist.

Montana Division of Geology.