33 Wall St., New York, Jan 22 68

My Dear Sir:

I am considering whether the formations of Mass., Ct., & R.I. may not be classed chronologically somewhat as follows, and would be much pleased for any hints from yourself on the subject. The conclusions I propose to incorporate into an atlas of geol. maps of all our states & territories, with British provinces, with which I am editing, to be published by H. W. Allingham. The propose to have every map prepared by the best authority, provided such person does not decline. In addition to the published maps, we have new maps with the latest improvements promised as follows—M. J. Cook, Pa. J. P. Leidy. N. J. Kerr. C. S. Bed, Ky. And N. Me., etc. Newberry, Tenn. A. C. Stafford. Minn. Eames. J. A. White. Mo., Kan & Moul. Swallow. Math. I. Gibbs. New England. I intend to compile. I have published maps of the provinces, N.Y. (to be improved) Md., Ala., Miss.


3. Fernageous (grains). I. W. B., D. E. B.,

4. E. E. B. flt. 4 north part of Mass. where a synclinal structure apparent between 2 & 3, as in Winchester, Ashburnham etc. There two turn to lie at the left of the others.

The Synclines are undoubtedly Eocene, but being most strata, are colored darkly. Some kites with the grains enclosing it makes a great V. 1st. Angle the Paradoxical formations in overlying Palæozoic strata of the Boston Basin.

1. 2. 3. & 4 appear to be the natural order from below upward - judging from their relations in C. T. A. R. and I. E. B. along K.W. B.

E = Q (W. B. - Quebec &?). Trace down from Canada continuously. A contains porphyritic. A. W. B. also in Quebec.
B WPr = Rumford & X. Sheets = U. Silurian
Mica schist of Rumford to running down
mammas maybe Silurian. Also encloses
clay shales lithologically. Like Paradox
plains of Braintree. Although it holds the
Worcester plantagen.
A quartz range seems to extend from R. I. to
Fitchburg. Others to bend & connect with the
quartz range of A. E. P. C. Solitude is
known of R. I. geology. It is like the group-
by all the quartz. Limestone related N of
part of R. C. in Quebec. without specifying
distinctions. Limestone Berkeley & man-
= l. Potshams. Limestone = Lewis. Upper schist
= flagstone. Mesozoic remains. Limestone can
be divided into 3 parts. throughout as in Man.
Can you put me in the way of any notes on New
Hampshire, better than Jackson?
Any hints you may make in references to the
Atlas or suggested classification of N. Eng. rocks
will be thankfully received.

Respectfully yours,

C. H. Hitchcock
Scheme of Color
Marbleized Rocks
1. Granite
2. Syenite
3. Porphyry
4. Trapcean rocks.

Stratified Rocks

5, 6, 7, 8 (1) (2) (3) (4) of Eocene.
Paleozoic
9. Paradoxides bed or St. John Group, perhaps the slate with plumbago in Nova Scotia.
10. Potash sand stone (Quebec and Berkshire, part of K. W. P. C. E)
12. Lewis gray (St. Lawrence limestone)
17. Bernouin, Bedford, N. C.
19, Lavan 20 middle 21 upper parts of Carnmor sandstone
22 Tertiary
23 Drift
24 Alluvium

Dear Mr. Smith,

I have some interesting news to share with you. The recent archaeological dig I was a part of uncovered a significant find. In the lower levels, we discovered a series of ancient cave paintings that date back to the Neolithic era. These are believed to have been created by our ancestors as a form of communication or ritualistic expression. The images depict various creatures and symbols, possibly relating to their beliefs or daily life.

The excavation team is now in the process of preserving and analyzing the artifacts. We hope to have more detailed information in the coming weeks. If you or anyone you know is interested in contributing to this project, please let me know. Your expertise would be invaluable.

Thank you for your continued support.

Best regards,

[Signature]
33 Wall St., New York Feb 24th 81

Prof. Dana:

My Dear Sir,

Your note of the 5th inst. has been received.

Endorsed please find $60, the amount of my recommendation for the Journal of Austria, for 1868.

The order of the succession of the different rocks, suggested in my last, was not made to depend upon their chemical character, but upon their supposed stratigraphy. I relied upon the observations of Perceval, and do not know how much reliance can be placed in them. There appears to be a very decided unconformability, for instance, between the formation 1 and 2 (W.P.), although they are in the same line of trend. His full of being limestone, but in I there are none. Such a change, combined with other of a mineral character, appears to me to denote unconformability. It reminds me of the way in which Logan first detected the un-
conformability between the Laurentian and Labrador. The cavo limestone and
transversely attitudes the Caledonite beds on
the apparel. I have here showing the dif-
ference in direction.

It is some time that the pre-Silurian age of
these rocks is now well established for
the mineral character of the Laurentian and
difficulties of the C. M. rocks that agree to the
Laurentian comes into N. Eng. from Pa. M. I., M. Y.
(3) It is in Vt. an anticline flanked on both
flanks by the Ordovician-Silurian group, the former
hugging the grained on the two flanks. (4) The
Paradoxides beds contain in a conglomerate/feather
of two older groups, the porphyritic pegmatite
rocks, whose arrangement agrees perfectly with
the view of their stratification. The granite
of the oldest, which first by the porphyry, then
by Paradoxides, and then by still newer rocks, all
in the Stillwater series. With the two ends of the fall
speckled rocks clearly preludenience, it is diffi-
cult not to include them all. But (5) the
rubber and coniferous to which the New England
rocks have been referred can be traced by their
mineral character through the whole of New
England to Long Island Sound, in synclinal
strata followed by gneissic rocks.

J. I. adopt the sense given to Coozie by Hochstetter
or other Europeans, to include everything below
Silurian, making the base of the Silurian the
Paradoxides. I agree with you as to the
origin of granite pegmatite, but think it expe-
dient to distinguish them on the map at pres-
ent.

Your generalization as to the origin of
the triangular form of the Canisicut can be
applied just as well as make supposition of
Coozie rocks along the Appalachian- 

Vt., as if rocks of this age did not extend
south of the Bristol County, area.

I am exceedingly interested in this subject,
and think a careful study of the New England
rocks will give greater perfection to our
theses.

Your note gave the first indication to
me that you had ever prepared any such
of the country had a much worse
cred. now and not interfere with my
other. I have the promise of several new
map in addition to the one mentioned to
you as of Cal. by Whiting, & J. C. B. Repe-
t Nevada by the same. Also Texas by Buckly
etc.

 Truly yours,

C. H. Hitchcock.
CUMBERLAND, Mo., Aug. 7

Dr. Hitchcock is out of town

Mrs. Hitchcock

End

[Concerning Harvey driven]