

Honeyman Stamp, Jan. 21/1867
Jung 187

Dear Sir

I lately travelled along the new
line of Railway from the Head of West
River as it is called to Turo - There is
a very interesting section on this line after
leaving the Station which is about 20 miles from
Turo we pass through fine cuttings of Slates
and Shales until we pass George town which
is considered to be 16 miles from Turo - for
some distance after leaving George town these Slates
and Shales still appear on the banks of what
is called the back river and then we enter
upon noble cuttings of Carboniferous Shales which
appear to dip towards the former the two forming
a Syncline and then as we approach Turo
we have fine cuttings of Tertiary Sandstones -
These continue until we almost reach Turo
They appear architect to the preceding Carboni-
ferous - The older Slates & Shales appear
to be comparatively unaltered & I hope that
an examination of these may produce organ-
ism which may enable us to ascertain in
a direct manner the age and succession of
the Slates of Terrestrial origin &c - on
the South side of the C. ligens.

I would now give you the list of the variety of
of rocks which I have observed on or near the
lines of Railway - Beginning with the 4 mile
cutting of Mackinac Granite and pro-
ceeding to the Windsor & Sault Junction we
pass into the Quartzite Catings of the Ma-
lencoe Station - of the Annapolis band
and then we pass into the State of Beare
bank where the slate is quarried - and
then we have the Quartzite of the Junction
passing from this to Truro we get into
the State Catings at Fletcher and the
Grand Lake & then we come to the Quartz
etc of Grand Lake and then it is obscure
until we get beyond Elm Dale - then
we reach the Gypsum Quarries on the banks
of the Malencoe after that we come to the
great limestone beds at Mechanics where
great blocks of limestone are quarried for
Railroad building purposes and then
about 1/2 a mile from the Malencoe Sta-
tion there is exposed a bed of thin fine
clay which is being dug for the manufacture
of bricks &c by Malcolm - I have not
observed any more rocks until we pass
Truro - Not having the occasion to go
at Sault - I forget if you refer in it to the
the ~~beds of~~ deposits of Copper at French River

between Tetanopora and New Anas
it also at the base of the Perlystone
bed of Rice Lake - They are mining at
the same place and one has been extracted
in small quantities from the latter - No one
occurs or at Canby - a collection of very
fine nodules of the grey sulphate coated with
the green carbonate has been forwarded from
Rice Lake by Mr. Waterman for the Paris
Exhibition - I suppose you are aware of
the deposit of Manganese which occurs
about 2 miles from the Washburn Rail
Way Station - I have not an opportunity
of examining it -

In the paper that I communicated to the
A. H. S. Meeting I made mention of cer-
tain nodules of a Siliceous Series occurring
between Pottawatch, Rice and Rice
and its branch - I there referred to the
value of mining equivalents - as low as the
Clinton - with Prof. H. C. Sturtevant - in following
up my investigation I find that ~~these~~ ^{these} nodules which
are preceded by others which have produced
a phacops, and a few others and a great
bed of lignite which is exposed from Wash-
burn to the middle branch of Barney's Rice and these
strata are preceded by hard strata of
Clinton with a fauna equally abundant.

and varied as the semita pheta on the
Shore - There is the Petras Fenestru (Patter
and the fossils of my Anisaj tin and in
Within the Haupt. Meeres Cornatete of Salter
found at Lochaber & Manly Hope - I did
cover the Lingula bed ^{in 1869} from which I have
taken nearly 1000 specimens of Lingula in
nodules - all in nodules with 3 exceptions, some
of the Lingula are large and the species various
Salter was amazed at my display in 1862.

In this bed I had found all the Lingulae in
nodules with 3 exceptions - I had found nothing
else than Lingulae until last summer - the
intelligible and excellent specimen which I
took the Lingula bed - last summer I opened
a beautiful round nodule of unworked size &
in it I found in the centre a large brilliant
Lingula and surrounding it a small Cornu, with
other a few stars of Crinoids, and minute
Murex-like organisms filled with un. fossils.

The Lingulae are in general in beautiful
preservation and are often when opened beau-
tifully incised - The elliptical nodules
generally produce the best preserved specimens
The fluvial nodules are generally the most
difficult to open and often when these nodules
are large and regularly fluvial the Lingulae

is nowhere - I don't keep for some time i.e. about 2 years
aware of the existence of the beds below these
Luzula Shales - by finding in the bed of French
River boulders containing pebbles and also
in the drift at Barney's River boulders
with pebbles and the Cornubian (trumpet. Rocks
It was only in 1864 that I found the Shales
in situ up and on either side of Barney's
River forming the flanks of the Mountains -
They appear to extend into the Marshy Lake
on the East and on the West to Sabalau's
River Mills - The Shales ascending there -
appear also equally far West. - These Shales
appear to be of some economic importance as
they are the best material for making Stone
Pencil with which I am acquainted. Prof.
How Lee needs an analysis of the Stone
and Lee called it French Stone.

I have found abundant specimens of the
organisms of the upper Shales referred to in
my paper to the A.M.S. Lib. I have not found
the rocks in situ - In coloring your map, make
the blue extend across the West until to
a mile on the New Jersey side of French
River - and make it almost occupy the space
between the two ranges of Mountains from the
March of Barney's River until the termina-
tion of the Mountains with the Sea near
French River - Draw an irregular line

from the trap rock on the site that I have
already indicated at the road about $\frac{1}{2}$ a mile
W of French River to a short distance above
the falls or top of Sackett's River and I
consider that you will include all the
Silurian strata on the N. side of the mountains
I will write of the Spruquellie and other
side of the mountains in my next.

I will also send you the part of our
Transactions containing my paper on the
Gneiss Co's.

I will also send you a photograph of
the Ichthyodonto which you saw at Darwin
and also of the Teeth of the Cape Melton
Murchison. I am very busy and have
time only to write you a hurried scrawl
I hope you will make out to read it

Yours truly

D. M. Seymour

D. J. W. Dawson. F.R.S.,