

Williams

Cornell University.

Ithaca Oct. 4.

My dear Sir:

I have met with a lot of *Psilophyton* (Cyclopedites) of smaller size than the *P. ramsdani* and possibly a new species.

However this may be, one specimen has such perfect pinnules that I send it to you. It is the best argument I have seen, so far, of the vegetable nature of the genus.

You will observe one of the specimens, (602) ^A has beautifully fanlike pinnules, and examination with glass, shows the terminations of the pinnules to have been evenly rounded, and if I interpret it aright they were flat, the upper edge of each tending to lie above the lower edge of the pinnule.

(These characters appear to me inconsistent with any ^{animal origin.}
next above.) I send three specimens

that you may get a fair idea of the
forms. The stems are sometimes partly
bored by primulas as in P. ramosissima.

The specimens marked 602A. please
return when entirely through with it, the
others retain.

And make what use you will of them.
They are from a thin shaly seam, ^(Emy station 37, B.) in
the midst of coarse arenaceous deposits
about a hundred feet above the base
of Chemung epoch. (middle of Chemung
Period) - Ithaca N.Y.

With sincere regards

Henry Swilliman

James of Sep 8th was only new?

Phlephyta they call them
Julston and rounded
leeds of overlapp'g primas
B

- * A. *Lepidod. cheyennei* ^{Kuonia state}
Genesee State, Bristol, N.Y.
- * B. ^{Sandy layer just above *Styphila* layer.}
~~Indet~~ Genesee State, Middlesex
- C Indet " " "
- * D *Lep. Suck?* " " South Bristol
- E *Structure* Genesee, Middlesex
^{? *Lepidod.*}
- F *Lep Suck* " "
- G *Root?* " Woodville
- H Indet " "
- I *Stem Indet* " Middlesex
- J *Stem indet* " "
- K *Branch fossils* " "
- L *Stem wood* " *pelvula* "
- M. N. O " "
- * P *Sphenaria* Marcellus shale, Chapinville
- Q *Stem indet* Middlesex
- * R *Pala. clusters?* Marcellus Chapinville
- * S *Lep Suck* Postage, Naples
- * T *Lepidod. pennsylvanica?* " "
- U, V. *Fossils* ^{Wood} Chemung, " "

W *Stem Petiole?* *Jen* - Not small tree fern
Marcellus, East Bloomfield

* X *Stem* *pinnae* *curvate*
Jenese *Panundaigna*

{ This specimen was 2½ feet
long when found.

* Y *Pinnae* *Portage* *crisp* *Naples*
Jenese - *med 2 sp*
crisp

* Z *Lepidodictyon*
Jenese. *Middlesex*.

Some of these forms are common
in the rocks, but as I have not
had the opportunity to compare them
with any authentically labelled
specimens, I have ventured to enclose
them for the sake of the names.