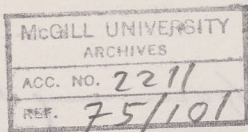


D. Meuser

CWJ 80



King's College Nov 15

My dear Sir.

A few days ago I received some sheets of your Lecture Notes in Geology. I am very glad that it is so soon to make its appearance, as it will be of great interest and assistance to the Canadian Students, and fill what was hitherto a gap, as Dr. Chapman's Geology I sorely care for.

With regard to my own work, I have ready for press, of my work on "The Geology of the Western End of Lake Ontario" Paper I on Paleozoic Geology, with two small maps; the text occupies 50 pages, and includes a list of about 175 species of Niagara Fossils.

Paper III consists of a cross-section of the Niagara Gneissites

forming the 1st section. I have
much more fully described the
three species of Prof. Hall, and
in addition, have described
29 new species. One of them
I have taken the liberty to name
after you. Section II of this
paper contains descriptions
of all our Niagara *Stratocoma*
(as known to me) including
four new species. Your
paper in the Z. J. G. S. was to
me invaluable, for without it,
I should not have attempted
the ~~work~~ work. Section III
Besides these, in the same
section I have described about
a dozen other species, including
two of *Conularia*, one of *Orthis*
etc. In all, these two sections
contains about 45 new species.
Section III is a notice of
the general fauna of the
Group in Canada and occupies
about 40 pages of text

out of 130 pages in paper III are
the Palaeontology, - the first 80
pages being almost wholly new
matter. It will require at
least 12 pages (octavo) ^{with figures} to illus-
trate the new species. These
two papers are finished.

The third paper, or Paper IV
of the subject, I am ^{working} at now,
but as there is so much literature
on the glacial theories, I will
have a great deal of reading to
do before this paper can be
completed.

In this paper, there are a few
points of general interest - Additional
evidence of the Deglacial char-
acter of Lake Ont. and against
the glacial origin of the lake; the
great valley of Dundas excavated
by the Grand River now
flowing into Lake Erie;
and ^{the lower portion of it was} the probable outlet of
Lake Erie into the basin
of Lake Ont. at a time

Antecedent to the old bed
of the Niagara River.

I have partly had the promise
of the Ontario Government
printing it, the same as
Prof. Nicholson's book.

If not, I will have to seek its
publication in some journals.

Could you give me a verbatim
copy of Stenagotus canadensis
in the Can. Nat., as I am
including descriptions of all the
new Canadian Species of the
Niag. Group. and have the
part all finished but there
are Species of which I had a
description but have lost it.

I am

Your obedient servant

J. M. Mearns