

Hahn

Seiff

Toronto 16. December 1890

147. Roxborough Stree Rosedale.

Sir!

Since I had the honour to see you at Montreal I studied and meditated about the Eozoon. I am glad now to say you: I am not far from your opinion. What I thought to be my strongest argument against the organic structure of the fossil, ceased to be argument. Being embedded into a doubtless sediment without any trace of a direct volcanic influence, the occurrence of pyroxene or loganite in these rocks is argument for the origin of the minerals above mentioned by water. I might propose to fix this point by exact observations at Grenville and Little Nation.

The next is to separate the „Canal system“ from the calcareous shell. I found the Canals only developed in the lowest layer of the Eozoon. When I met with a „canal system“ in the upper layers, it was single and not standing in the direction

necessary to be a part of an organic body
By accepting this point of view your opinion
escapes from all the evidences brought up
by the book of Dr Möbius, based upon the
supposition of a nummuline or foraminiferic
structure. I for myself have ^{not} got the least
doubt, that these 'canals' are single or-
ganisms, covered and enclosed by the
first and some following layers of the Coron.
That's the reason why they occur nearly
exclusively in the lowest layer.

I allow me to enclose some of my
sketches of these beings and I am glad if
you like to see the originals (cut slices)
I repeat at this place, what I found;
these canals are in a separate grain of
mineral - quite different in their shapes
and structure and by no means agreeing
to the direction, they should have, when
parts of a nummuline shell.

In the way, as grows a stromatopora there
is no great obstacle to account for them, espe-
cially in the lowest layer.

I will not deny it would be possible to
find out in some samples a very proper
structure: I may suppose it in your
book Life's Dawn on Earth fig 49.

In the proper wall I am not able to find any
tabula. I applied all my powers from 15 to
2000, but I got always the shape of a
chrysolite-vein like as in your plate VIII. fig. 5.
and I were very thankful to you, if you
convinced me by showing a specimen as
fig 27. (left) in a proper wall.

I may now lay a stress upon the
whole form. as the pear-form as the
overgrowing form, covering other rocks or
minerals. In both shapes there is a
resemblance to stromatopora, occurring in
both forms.

I am sorry not to be in possession of
better samples of Eozoon with high developed
lower layers. I left all my samples to
the Museum of Tübingen and Stuttgart.

With the best wishes for the New Year
I am Sir

your most humble servant

Dr Otto Hahn.