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ON THE CAMBRIAN ORGANISMS IN ACADIA. *

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[*Abstract.*]

The earlier papers describing the Cambrian animals of Eastern Canada, read by the writer, before this Society, have related to the fauna of the St. John (or Acadian) group, but having lately made examinations of the measures which underlie the Paradoxides beds, he has found evidence of a physical break below these beds, and that the underlying beds carry a different fauna. This fauna is very imperfectly exhibited, but is sufficiently developed to show that this lower, or basal series is the equivalent of the blue clay of Russia and the Eophyton sandstone, &c. of Sweden.

Late developments in the palæontology of the oldest Cambrian beds, show that the Olenellus beds of the State of New York and elsewhere, are of about the same age as these old Acadian beds, and indications of the Olenellus fauna have been found by me from the middle of this basal series upward to the Paradoxides beds.

* Read before the Royal Society of Canada, — May, 1889.