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ON THE NORIAN OR "UPPER LAURENTIAN" FORMATION OF CANADA.<sup>1</sup>

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(Translated from the German by N. J. GIROUX, Esq., C. E., of the Geological Survey of Canada.)

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<sup>1</sup> This paper appeared in the *Neues Jahrbuch für Mineralogie* in 1893 (Beilageband VIII). As it presents a somewhat exhaustive treatment of a celebrated series of Canadian rocks, it has been thought advisable to present a translation of it to Canadian readers. Since the publication of the paper further investigation has brought to light some few additional facts concerning these rocks, but it has been thought best to present the paper exactly as it originally appeared, making any necessary additions to it in the form of occasional foot notes. The editors of the *Record of Science* are indebted to Mr. N. J. Giroux, C. E., of the Dominion Geological Survey, for a literal translation of the paper.

The original paper in German was accompanied by two excellent maps printed in colours, from which the maps accompanying the present translation are taken. Those particularly interested in the distribution of these Norian rocks are referred to the original maps, as in these the relative position of the several areas is shown with greater clearness.

**Correction in Large Map.**—Owing to a mistake on the part of the lithographer, the Adirondack Archean area has been represented as Huronian. It should have been represented as of Laurentian age, since, with the exception of the Anorthosite, it consists of rocks of the Grenville series.