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Some Additional Observations on the Loess in and about Muscatine

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Witter: Some Additional Observations on the Loess in and about Muscatine

**SOME ADDITIONAL OBSERVATIONS ON THE
LÆSS IN AND ABOUT MUSCATINE.**

BY. PROF. F. M. WITTER.

(Abstract.)

The unconsolidated material resting on the drift in and about Muscatine possesses many of the characters of the læss and since it passes by insensible gradations into the latter it seems rather to belong to the læss than to the drift.

The lower portion is generally most perfectly and beautifully stratified, the strata consisting of sand, clay, and occasionally some gravel, with small boulders of the granitic series, fragments of bituminous coal, etc. A very few calcareous concretions are found in the stratified basal beds and at one point good specimens of these concretions have imbedded pebbles. In the less evidently stratified portions abound several species of land shells and the eggs of one species are found. But little sand and this of the finest grain is found in the unstratified higher portions. In this have been found the teeth and largely the bones of two examples of *Rangifer caribou* and the greater portion of the antler of the same species most probably. Two or three species of fresh water mollusks have been found in what appears to be læss.

THE PARVUS GROUP OF UNIONIDÆ.

BY PROF. R. ELLSWORTH CALL.

(Abstract.)

This paper gave a resume of the known facts in the geographical distribution of these small *Unios* and proposed the reduction of a number of forms to synonymy. The relation of the assumed specific differences to conditions clearly connected with environment was pointed out and a somewhat close relationship of forms hitherto supposed to be very distinct was evidenced by the specimens exhibited. The dis-