

the Middle embracing those which lie between. It was in this sense that I used the term Mid-Cretaceous in our memoir. Recent conferences with Mr. J. B. Hatcher, who is familiar with Montana formations, confirm this usage.

In addition to the above statement, I am not clear as to the correlation of the Lower Cretaceous south of the Canadian border. The Dakota series immediately overlies the Sauropoda and Baptanodon beds, which in turn are correlated by one of the most eminent authorities, Professor Eberhard Fraas of Stuttgart, with the Purbeckian and Oxfordian of the European geologists.

We are so much in doubt as to the actual relations of these rocks to those of Europe that all notes and discussions of the question are very welcome.

HENRY F. OSBORN.

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### SOIRÉES.

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There was a large attendance of members of the Club and their friends at the first of the winter soirées at the Normal School December 16th. Dr. S. B. Sinclair, in his address of welcome, referred to the benefit derived from the Club's work by the Normal School students, to whom the spring and autumn excursions as well as the soirées held during the winter afforded an enjoyable means of supplementing their knowledge of the natural sciences.

The President's address on "The Functions of a Geological Survey" was delivered by Dr. Robert Bell, the Acting Director of the Geological Survey, and will appear in an early number of THE NATURALIST.

A short paper was then read by Dr. James Fletcher on "Some Ottawa Butterflies and Moths." This was illustrated by beautiful lantern slides, some of which had been kindly lent for the evening by Prof. W. Lochhead, of Guelph, and Mr. A. E. Norris, of Montreal. Those from the former were coloured by Mrs. Slingerland, of Cornell University, and those from Mr.