
MEETINGS OF THE BIOLOGICAL CLUB.

ORTON HALL, October 5, 1903.

The Club was called to order by the President, Mr. Morse, and after the adoption of the minutes of the previous meeting, the regular program was taken up, consisting of reports by the members upon the work of the summer.

Prof. Prosser reported two months spent in the field in the north, central and southern portions of the State. The so-called Huron shale was studied in northern Ohio, and the exposures near Monroeville were referred to the Cleveland. The name Huron is not acceptable, having been applied in 1861 to a Michigan formation. The shale along Vermillion river appears to be interlocking with the Ohio shale from the south. Exposures of the Prout limestone at the base of the "Huron" were found.

In Highland county, at Hillsboro, the Cedarville limestone shows abundant remains of a large Brachiopod shell. Cavities in the rock are filled with asphalt.

Mr. Mead reported on some exposures of the Huron studied by him between Sandusky and Rye Beach. He further reported on the fishes and Orthoptera of Cedar Point and vicinity. Seventeen

species of fish were washed up along the shore, although some of the more common species, for instance, the white fish, were not observed. About twenty-seven or twenty-eight species were found in the orthopterous fauna of Cedar Point.

Prof. Schaffner reported on observations made in Kansas. He studied nutation in plants and nectaries outside of floral organs. Plants new to the Kansas list and added by Prof. Schaffner are *Bertoroa incana*, *Lysimachia nummularia* and *Taraxacum erythrospermum*. To the Ohio list he added *Lacinaria punctata*.

Prof. Osborn reported fourteen mammals in the Cedar Point fauna. Late in the summer he collected Hemiptera at Columbus and at Sugar Grove.

Prof. Landacre reported the addition of forty-six species of Protozoa to the State list, three of which are probably new to science.

Prof. Hine reported on collections at Sandusky, and at the Gulf Biological Station, in Louisiana.

Prof. Lazenby reported circumference measurements of growing trees.

Mr. Morse reported one new snake added to the State list, *Valeria virginica*.

Mr. Jennings reported work on the flora of Cedar Point. The herbarium of Cedar Point now contains 312 mounted specimens, all collected on the Point.

The Committee on Nominations named by the President was as follows: Prof. Prosser, Prof. Lazenby, Prof. Davis.

Club adjourned to the first Monday evening in November.

ORTON HALL, November 2, 1903.

The program consisted of the address of the retiring President, Mr. Morse, which is presented in full in another portion of this issue.

Officers were elected for the year as follows: President, O. E. Jennings; Vice President, J. G. Sanders; Secretary, E. D. Coberly.

E. D. COBERLY, *Secretary.*