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## MEETINGS OF THE BIOLOGICAL CLUB.

TOWNSHEND HALL, March 7, 1904.

The meeting was called to order by the President, Mr. Sanders, and the business meeting was dispensed with. The paper of the evening was given by Dr. Bleile on "The Anti-bodies." Much interest was shown in the lecture and a large audience was present.

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ORTON HALL, April 9, 1904.

The meeting was called to order by President Mr. Sanders. Prof. Kellerman reported inoculations with rust on corn. He experienced great difficulty in procuring good host plants on account of the cold weather. He secured uredospores on popcorn inoculated with spores of *Puccinia sorghi* from sweet-corn. Prof. Hine spoke on the Gulf Biological station in Louisiana. The station is located on the coast, at the mouth of the Calcasieu

river, and was established for the study of various economic problems of interest to the people of the State. The station has a good building valued at \$6,000. Special precautions have been taken to overcome dangers arising from inundations to which the region is subject during severe storms. Prof. Hine identified about fifty birds, among them the snake bird, boat-tailed grackle, black vulture, little blue heron, mocking bird, Louisiana clapper-rail, and Wilson's plover. There are very few sparrows. Land mammals are scarce but porpoises are very numerous. A number of species of insects were collected, of which about 150 have been identified. The address was closed with a brief description of the flora found in the region of the laboratory and the speaker's experience in flounder, schrimp and crab fishing.

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ORTON HALL, May 2, 1904.

In the absence of the President, the meeting was called to order by Prof. Schaffner. It was moved and seconded that he act as chairman for the evening. The motion was carried. The program for the evening consisted of reports on theses.

Mr. York reported work on the life history of *Nelumbo*. Mr. Morse gave an outline of his work on the embryology of the spider's egg.

Under personal observations, Prof. Kellerman reported that he had secured uredospores of *Puccinia sorghi* on dent corn inoculated with uredospores from pop-corn, which, together with previous experiments, showed that rusts on sweet-corn, pop-corn and dent corn are not physiological varieties. Mr. Frank reported culture experiments with *Sphaeropsis rosae*. Prof. Schaffner reported observations on the time when leaves come out on various trees and shrubs.

Prof. Alfred Vivian, Prof. Rudolph Hirsch, and J. C. White were elected to membership.

J. N. FRANK, *Secretary pro tem.*

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