
MEETINGS OF THE BIOLOGICAL CLUB.

ORTON HALL, February 2, 1914.

The meeting was called to order at 7:30 by the President, Mr. Kostir. The minutes were read and approved. The following were elected to membership: Eric S. Cogan, Fred Perry, Gertrude Bartlett, Malon Yoder, Rudolf Pintner and Newton T. Miller.

The first paper of the evening was a review of the thesis on the study of "Capillary Movement of Soil Moisture," by Malcolm Sewell. There are three reasons why a plant may not get sufficient water. First the soil water may be gone, second the transpiration may be greater than the absorption and thirdly the transpiration may be greater than the capillary action of the roots. A plant may draw water from a much larger area than that in which the roots are, due to capillary action. Mr. Sewell then showed a dozen or more slides showing pictures of his tanks in which he grew the corn on which he based his conclusions. One tank had no concrete bottom. The others had concrete bottoms in which he kept the water levels at three and five feet, respectively. He found that the best results were obtained in the tank without a concrete bottom.

Prof. Osborn next gave an illustrated talk on his trip to Maine. He said that there is little known about Maine and that much of the State is unexplored. Much of the timber is wasted by poor means of lumbering. The path that he took up Mt. Katahdin was that of an old avalanche. The trip up was a hard one due to the rough out-crop of huge rocks. The purpose of his trip was to collect leafhoppers.

Mr. Reed gave a review of some papers read at the meeting of physiologists held in Philadelphia.

BLANCHE McAVOY, *Secretary.*