

Meeting of the Biological Club.

ORTON HALL, February 1, 1909.

The club being called to order by the President, Miss Freda Detmers, the minutes of the previous meeting were read and approved as read.

The address of the evening was by Dr. M. B. Lamb, Asst. State Veterinarian, his topic being the Control of Hog Cholera by Serum Immunization. Serum immunization for the control of hog cholera has been developed by the Bureau of Animal Industry at Washington, D. C., and extended by the states. Experimental work in Ohio has been carried on at Reynoldsburg, where 2,000 doses of protective serum have been produced and 700 head of hogs treated with excellent results. This protective serum is probably anti-bacterial as well as antitoxic. To get the serum 500 cu. cc. of virulent blood for each 100 lbs. weight is injected through a vein in the ear. The animal is then bled from the tail and from a 150 lb. animal 150 doses of the protective serum is secured. The blood is defibrinated and a small amount of antiseptic added. The dose is of virulent blood 2 cu. cc., serum 20 cu. cc. for each 50 lbs. weight. This is supposed to last for about four months, and is known as the serum simultaneous method. Where a herd has already become infected, the serum alone is used. The cost of producing the serum per maximum dose for a 50 lb. animal is about 32 cents.

In the discussion that followed Dr. D. S. White, Prof. F. L. Landacre and Dr. Chas. B. Morrey took part.

Miss Mary Edmonds and Miss Frances Freeman, advanced students in botany, were elected to membership. Prof. Osborn suggested a commemoration of the centenary of Chas. Darwin's birth and moved that the officers of the club be authorized to arrange a special program.

ARTHUR H. McCRAY, *Secretary.*