

of Coleoptera are now known from this island which has an area of not more than six or seven acres.

—Mr. Barber exhibited specimens of the larvæ and adults of two species of Phengodes and also some photographs of different portions of the insects for comparison, and presented the following note:

NOTE ON PHENGODES IN THE VICINITY OF WASHINGTON.  
D. C.

BY H. S. BARBER.

The following observations on beetles of the lampyrid genus Phengodes are deemed worth while recording, although they are mainly in corroboration of those made by Prof. George F. Atkinson and published some years ago.<sup>1</sup>

During the past three years about a dozen larvæ or larviform females of Phengodes have been found in this vicinity, but males of the genus have not been taken here before this year, when two species were captured at Plummers Island, Md. (about 10 miles up the Potomac River from this city). They were *P. plumosa* and *P. laticollis*.

On June 17 of this year I found an adult female in the Zoölogical Park, about 11 o'clock on a bright moonlight night. Two nights later it was exposed in a jar with earth on Plummers Island and about quarter past nine o'clock a male (*P. laticollis*) was found attempting to enter the jar. Copulation, lasting about two minutes, was observed a few minutes later, and the act might have been repeated had not the male been removed in the hope of luring another. The male was not luminous.

On July 1, the female was observed rolled up in the soil and within the coil of her body about 20 eggs had been laid. On the 6th the number of eggs had been brought up to 53 or more. The female was then greatly shrunken and weak, but still alive and luminous. The eggs were not luminous.

The female retained luminosity till about August 10, when the jar became rather dry, but a few young larvæ were found to have hatched out a few days later. Owing to my absence during the next two weeks the jar dried out and all the young larvæ died.

---

<sup>1</sup> Journ. Elisha Mitchell Scientific Soc., Vol. iv, Pt. ii, p. 92, 1887.

Mr. Schwarz stated that the species described and figured by Dr. Erich Haase as *Phengodes hieronymi*<sup>1</sup> did not belong at all to this genus.

—Dr. Howard spoke of the remarkable change that has taken place lately in Italy in the old malarial districts around Rome and Naples. There are few mosquitoes present in those regions, and the disease has practically been wiped out by the use of the best sanitary means that could be found available by those in charge of the work.

---

<sup>1</sup> Deutsche Ent. Zeits., xxxii, pp. 155 ff., pl. i, 1888.