

the 8th of this month in addition to the above mentioned nymph, the last adult insect was seen.

The eggs are green or yellowish-green in color, measuring about 0.7-0.8 mm. in length, 0.2 mm. in width, slightly curved in shape, and almost equally pointed on both ends. Fig. a.

As I could not find any of the females in the act of ovipositing although I examined all the plant parts where females were seen resting, and then after having kept the females so long in captivity without any egg being deposited, I doubt whether the insects lay their eggs in the food plant. They may do as I have observed in the case of *Campylenchia curvata* which feeds on *Solidago* and is found depositing its eggs on *Vernonia*.

THE PERIOD OF INCUBATION OF THE EGGS OF *SAMIA CECROPIA*.

During the spring of 1911 it was found convenient to gather data on the relation of each day's deposit of *Cecropia* eggs to their period of incubation.

The table on p. 70 shows the number of days required for the hatching of the eggs of each of 36 females for the 1st, 2d, 3d, 4th, 5th, 6th, and 7th day's deposit. Queries indicate that the eggs did not hatch at all.

The periods recorded are counted from the days when the great majority of each day's lot hatched. In some instances a small part of the caterpillars emerged a day earlier, and in a few other cases a few stragglers were observed later.

The table clearly shows that the period of incubation of the eggs deposited between May 16 and June 26 varied from 6 to 11 days, the great majority being 8 or 9 days. The table also shows that the period of incubation is practically the same for each day's deposit; first or last oviposition does not seem to cause the period of incubation perceptibly to vary.

We see a few periods of 10 days and one of 11 days occurring during the early experiments, but possibly climatic conditions at that season can account for this prolonged time.

ST. LOUIS, MO., February 14.

PHIL RAU.

♀ No.	1	2	3	4	5	6	7	Date of first day's deposit
1	10	?	?	.....	.....	.....	.....	5-19
2	10	9	?	.....	.....	.....	.....	5-16
3	?	?	10	.....	.....	.....	.....	6-9
4	11	?	9	10	.....	.....	.....	6-9
5	?	?	9	.....	.....	.....	.....	6-9
6	9	9	10	9	10	.....	.....	6-10
7	9	?	.....	.....	.....	.....	.....	6-11
8	?	9	.....	.....	.....	.....	.....	6-10
9	?	9	.....	.....	.....	.....	.....	6-10
10	7	8	8	.....	.....	.....	.....	6-11
11	9	9	?	.....	.....	.....	.....	6-11
12	9	9	9	9	9	10	.....	6-11
13	9	9	9	.....	.....	.....	.....	6-16
14	9	9	9	10	.....	.....	.....	6-14
15	9	8	7	8	.....	.....	.....	6-15
16	9	9	8	8	8	.....	.....	6-17
17	9	8	8	9	.....	.....	.....	6-18
18	?	?	?	?	6	7	.....	?
19	8	8	?	?	8	.....	.....	6-21
20	9	9	9	10	9	9	9	6-21
21	8	8	8	9	8	.....	.....	6-21
22	9	?	9	7	.....	.....	.....	6-22
23	9	9	9	9	9	.....	.....	6-22
24	8	8	8	.....	.....	.....	.....	6-22
25	?	8	7	.....	.....	6	.....	6-23
26	?	8	9	.....	.....	.....	.....	6-23
27	?	?	?	6	.....	.....	.....	6-23
28	8	8	8	8	.....	.....	.....	6-23
29	8	8	8	6	.....	.....	.....	6-23
30	?	8	?	8	.....	.....	.....	6-23
31	?	8	9	9	.....	.....	.....	6-23
32	8	9	9	.....	.....	.....	.....	6-24
33	8	9	8	.....	.....	.....	.....	6-24
34	8	8	8	.....	.....	.....	.....	6-25
35	8	?	.....	.....	.....	.....	.....	6-26
36	8	?	.....	.....	.....	.....	.....	6-26

Queries indicate that the eggs failed to hatch.



Rau, Philip. 1912. "The Period of Incubation of the Eggs *Samia Cecropia*." *Psyche* 19, 69–70. <https://doi.org/10.1155/1912/32975>.

View This Item Online: <https://www.biodiversitylibrary.org/item/43955>

DOI: <https://doi.org/10.1155/1912/32975>

Permalink: <https://www.biodiversitylibrary.org/partpdf/182573>

Holding Institution

Smithsonian Libraries and Archives

Sponsored by

Smithsonian

Copyright & Reuse

Copyright Status: Public domain. The BHL considers that this work is no longer under copyright protection.

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.