

close around first and afterwards reaching out to gather it from as far as could be conveniently reached by stretching out for it with the hind legs. This work was done very thoroughly so that no sign other than a slight elevation remained to indicate where the eggs had been laid. The hind legs are generally used alternately for this work and are applied with additional vigor as the task proceeds. Then having completed their work the locusts either hop or fly quickly away. The egg-sacks were of the usual curled shape with a neck of glutinous matter that did not quite reach to the surface of the ground. They contained 24 and 25 eggs, respectively.

*Camnula pellucida* Scudd. Several examples were observed ovipositing near Boissevaine, Man., on September 20th. The land was dry and hard, and the vegetation thin with bare spots between. Many individuals were present. The egg-laying habits of this species are very similar to those of *Arphia*, described above. One example took 23 minutes to conclude her operations from the time when she was first observed with her abdomen inserted. She then carefully filled in the cavity using both hind legs for that purpose—the egg-sack contained 18 eggs.

*Dissosteira carolina* Linn. This large species can be found ovipositing without much difficulty during the month of September. For that purpose it seeks soil which is comparatively free from vegetation and situations that are fully exposed to the sun. A large, yellow female was found on September 19, 1915, having just completed working her abdomen into the soil, from which time she took 48 minutes to finish egg laying. The hole was then covered by use of the hind legs which were applied quite vigorously, the loose earth being chiefly drawn towards the insect from behind. This egg sack was almost two inches long, of which rather more than a third consisted of neck. It contained 42 eggs. A second example observed ovipositing on September 22 occupied an hour and 19 minutes, and took three extra minutes to cover the egg cavity. This latter operation was done entirely with the left leg. Three others were found on September 28, one of which took an hour and 21 minutes from the time she was first noted with her abdomen in the soil. In these instances both hind legs were used in covering the egg chamber.