

Stett. Ent. Zeit., 1850, p. 335 :

"*Carpocapsa pomonana* W. V.

"I examined with much interest, in the Museum in Breslau, Prussia; the specimens of hair worms communicated by different persons. Those worms were found living in the heart of the apple some years ago, very frequently in Silesia (by F. S. Leuckart, Zoolog. Bruchstuecke, Heft I., 1820, p. 5). Four of them belong to *Mermis acuminata*, and others also to *Mermis*; also a specimen in Prof. Otto's collection. The *Filaria* found in an apple by Prof. Waga will probably also be a *Mermis* (Revue Zool., 1844, p. 366)."

As I have given attention to all I found published about Helminthes in insects, I remembered to have seen some other facts stated about their presence in apples. But in comparing my notes I cannot find the work, and the most thorough research in old and new books was without success. So, till now, the above given quotations from Prof. von Siebold are the only ascertained ones.

Stett. Ent. Zeit., 1854, p. 106 :

"I saw in some letters sent to me that it seemed to be inconceivable to several Entomologists to understand how those worms can immigrate into larvae, which from the beginning of their existence live in buds or in fruits, and which never leave these trees or shrubs on which the eggs were laid. Though we have no direct observations how the *Mermis* immigrates into the caterpillar living in the apple or in the pear, I do not at all think that we are obliged to accept a spontaneous generation. We know very well that a number of lower animals leave the egg very far from the place where they shall live, and that they are obliged to make comparatively long journeys to reach the place destined for them. For instance, the Cicada, the larva of which is obliged to go into the earth, though the eggs are laid on high trees. Why should not the brood of *Mermis* generated in the earth migrate in the opposite way on flowers and trees to reach their proper abode? In the spring at certain times the whole superficies of plants is humid and preserves the worms from drying up. This supposition is corroborated by the observation of Prof. Creplin concerning the migration of another worm."

In a later paper, l. c. p. 32, it is stated by direct observation in England and Germany that after strong rains the brood of *Mermis* comes out of the earth and travels on flowers and shrubs in such numbers that the